

HEITZMAN DRILL-SITE SERVICES

DALE HEITZMAN (1925-2002)

ROBERT M. ANDERSON

May 24, 2004

STATE OF UTAH
Department of Natural Resources
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Request for Location Exception

Rock House #10D-32
2367' FSL, 1595' FEL (NW¼SE¼)
Section 32, T10S, R23E, S.L.B.&M.
Uintah County, Utah
State of Utah Lease #ML-47063

Gentlemen;

Pursuant to Rule R649-3-3 (Exception to Location and Siting of Wells) of the Utah Administrative Code (UAC), The Houston Exploration Company (THEC) hereby requests administrative approval for a location exception for the Rock House #10D-32 well location. As indicated above, THEC proposes to drill the Rock House #10D-32 from a surface hole location of 2367' FSL and 1595' FEL of Section 32 in Township 10 South, Range 23 East in Uintah County, Utah in order to test the productive potential of the Castlegate Formation at a total depth of 8050'.

Due to a combination of subsurface geologic considerations and surface topographic constraints, the proposed Rock House #10D-32 could not be staked within 200 feet of the center of the selected forty-acre tract as required under UAC R649-3-2. THEC owns or controls all of the mineral acreage within a 460 foot radius of the proposed Rock House #10D-32 and there are no producing wells within a 920 foot radius thereof.

Should you have any questions or require any additional information in this regard, please do not hesitate to give me a call at (307) 473-1268.

Sincerely,



Robert M. Anderson
Authorized Agent

RMA/ibm
Attachment

cc: Mr. Lloyd Bruce
The Houston Exploration Company
1100 Louisiana, Suite 2000
Houston, Texas 77002

RECEIVED

MAY 28 2004

DIV. OF OIL, GAS & MINING

001

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL		5. MINERAL LEASE NO: ML-47063	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME: Not Applicable	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. UNIT or CA AGREEMENT NAME: Not Applicable	
2. NAME OF OPERATOR: THE HOUSTON EXPLORATION COMPANY 1100 Louisiana, Suite 2000		9. WELL NAME and NUMBER: Rock House #10D-32	
3. ADDRESS OF OPERATOR: CITY Houston STATE TX ZIP 77002		PHONE NUMBER: 713-830-6973	10. FIELD AND POOL, OR WILDCAT: Wildcat Natural Bures
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2367' FSL, 1595' FEL (NE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$) of Section 32 AT PROPOSED PRODUCING ZONE: Same as above 4418283Y -109.34612		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 32 T10S, R23E, SLB&M	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately thirty (30) miles southwest of Dinosaur, CO		12. COUNTY: Uintah	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1595'	16. NUMBER OF ACRES IN LEASE: 640 acres	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40 acres	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 2100.33' +/-	19. PROPOSED DEPTH: 8050'	20. BOND DESCRIPTION: Bond Number 104155043	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5287' GR	22. APPROXIMATE DATE WORK WILL START: August 1, 2004	23. ESTIMATED DURATION: 30 days	

24. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12.250"	9.625" K-55 36.0#	0-2000'	Circulated to Surface
7.875"	5.500" N-80 17.0#	0-8050'	615 sx cement

25. ATTACHMENTS	
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:	
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Robert M. Anderson TITLE Authorized Agent

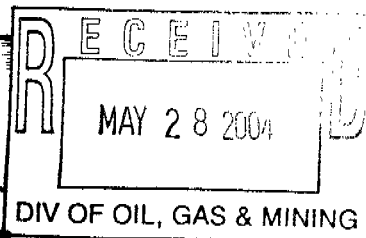
SIGNATURE [Signature] DATE May 21, 2004

(This space for State use only)

API NUMBER ASSIGNED: 43-047-35761

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: 07-19-04
By: [Signature]
(See Instructions on Reverse Side)



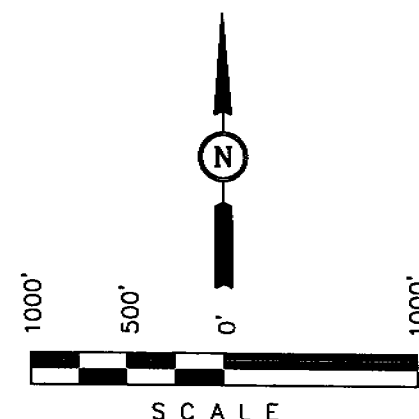
T10S, R23E, S.L.B.&M.

THE HOUSTON EXPLORATION COMPANY

Well location, ROCKHOUSE #10D-32, located as shown in the NW 1/4 SE 1/4 of Section 32, T10S, R23E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLANS AND MAPS WERE PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

[Signature]
 NO. 161319
 REGISTERED LAND SURVEYOR
 STATE OF UTAH

S89°46'W - 2663.76' (G.L.O.) S89°31'W - 2647.92' (G.L.O.)

N00°29'W - 2645.94' (G.L.O.)

N00°05'W - 2636.70' (G.L.O.)

N00°44'W - 2603.04' (G.L.O.)

2643.96' (G.L.O.)

32
ROCKHOUSE #10D-32
 Elev. Ungraded Ground = 5287'

1595' (Comp.)

2367' (Comp.)

179°57' (G.L.O.)

89°49' (G.L.O.)

N89°54'06"E - 2633.72' (Meas.)

1994 Alum. Cap.
 0.4' High, Pile
 of Stones

2638.02' (G.L.O.)

T10S
T11S

1995 Alum. Cap.
 Flush w/Top of
 Pile of Stones,
 Steel Post

LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(AUTONOMOUS NAD 83)

LATITUDE = 39°54'16.88" (39.904689)

LONGITUDE = 109°20'49.32" (109.347033)

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 12-8-03	DATE DRAWN: 12-16-03
PARTY K.K. G.M. C.G.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE THE HOUSTON EXPLORATION COMPANY	

THE HOUSTON EXPLORATION COMPANY
 State of Utah Lease #ML-47063, Rock House #10D-32
 NE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$, Section 32, T10S, R23E
 Uintah County, Utah

DRILLING PROGNOSIS

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS

Uintah	Surface	Buck Tongue	7684'
Uteland Buttes	3384'	Castlegate	7748'
Wasatch	3465'	Mancos Shale	7964'
Mesaverde	5242'	Total Depth	8050'

2. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERAL FORMATIONS

Wasatch	3465'	Gas - Possible
Mesaverde	5242'	Gas - Possible
Castlegate	7748'	Gas - Primary Objective

Any shallow water zones encountered will be adequately protected and reported. All potentially productive hydrocarbon zones will be cemented off.

3. PRESSURE CONTROL EQUIPMENT

A. Type: Eleven (11) Inch Double Gate Hydraulic BOP with Eleven (11) Inch Annular Preventer. The Blow-Out Preventer will be equipped as follows:

1. One (1) blind ram (above).
2. One (1) pipe ram (below).
3. Drilling spool with two (2) side outlets (choke side 3-inch minimum, kill side 2-inch minimum).
4. Kill line (2-inch minimum).
5. Two (2) kill line valves, one of which will be a check valve (2-inch minimum).
6. One 3-inch (minimum) choke line.
7. Two (2) choke line valves (3-inch minimum).
8. Two (2) adjustable chokes.
9. Pressure gauge on choke manifold.
10. Upper kelly cock valve with handle available.
11. Safety valve & subs to fit all drill strings in use.
12. Fill-up line above the uppermost preventer.

B. Pressure Rating: 3,000 psi

C. Testing Procedure:

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug).

3. PRESSURE CONTROL EQUIPMENT

C. Testing Procedure: Continued

Pressure will be maintained for a period of at least 10 minutes or until the requirements of the test are met, whichever is longer. At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition to the above, the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

D. Choke Manifold Equipment:

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

E. Miscellaneous Information:

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with recommendations contained in API RP 53.

The choke manifold and BOP extension rods with hand wheels will be located outside the rig sub-structure. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

4. THE PROPOSED CASING AND CEMENTING PROGRAM

A. Casing Program: All New

Hole Size	Casing Size	Wt./Ft.	Grade	Joint	Depth Set
12.250"	9.625"	36.0#	K-55	ST&C	0 - 2000'
7.875"	5.500"	17.0#	N-80	LT&C	0 - 8050'

B. Cementing Program:

Surface Casing - Lead with approximately 218 sx Premium Lite II cement + additives mixed at 11.0 ppg (yield = 3.38 ft³/sx).

4. THE PROPOSED CASING AND CEMENTING PROGRAM

B. Cementing Program: Continued

Surface Casing - *Tail* with approximately 212 sx Class G cement + additives mixed at 15.6 ppg (yield = 1.20 ft³/sx). Cement will be circulated back to surface with 100% excess.

Production Casing - *Lead* with approximately 115 sx Premium Lite II cement + additives mixed at 11.0 ppg (yield = 3.38 ft³/sx).

Tail with approximately 500 sx 50/50 Poz Class G cement + additives mixed at 14.3 ppg (yield = 1.31 ft³/sx).

The above cement volumes are approximate and were calculated under the assumption that a gauge hole will be achieved. Actual cement volumes may vary due to variations in the actual hole gauge and will be determined by running a caliper log on the drilled hole.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

5. MUD PROGRAM - Visual Monitoring

Interval	Mud Type	Weight	Viscosity	Fluid Loss
0 - 2000'	Fresh Water	-----	-----	-----
2000 - 8050'	LSND	8.5 - 9.3	28 - 32	< 12 cc's

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blowout will be available at the well site during drilling operations.

6. EVALUATION PROGRAM

Logs : DIL-FDC-BHC - from 8050' to 2000'
 CNL-SP-CAL-GR * - from 8050' to 2000'

* Pull Gamma Ray Log Back to Surface

DST's : DST's will be run as warranted by logs and/or shows - none are scheduled at this time.

Cores : None anticipated.

The evaluation program may change at the discretion of the well site geologist.

7. ABNORMAL CONDITIONS

No abnormal temperatures or pressures are anticipated. No H₂S gas has been encountered in or known to exist from previous wells drilled to similar depths in the general area.

Maximum anticipated bottom hole pressure equals approximately 4,025 psi (calculated at 0.50 psi/foot) and maximum anticipated surface pressure equals approximately 2,254 psi (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. ANTICIPATED STARTING DATE

Anticipated Commencement Date : August 1, 2004
Drilling Days : Approximately 30 Days
Completion Days : Approximately 15 Days

9. OTHER INFORMATION

1. A comprehensive cultural resources inventory has been conducted on the proposed Rock House #10D-32 well location and access road route. The subject inventory was conducted by John M. Scott/Metcalf Archaeological Consultants, Inc. (MAC) of Eagle, Colorado on April 13 and 14, 2004 and cultural clearance has been recommended for the subject proposal by Mr. Scott. A copy of the MAC report will be forwarded to your office upon immediately upon receipt thereof. Copies of the report have been forwarded directly to both Jim Dykman/UDSH Compliance Coordinator and Kenny Wintch/SITLA Archaeologist by MAC via regular mail.
2. Fresh water for use in drilling operations will be furnished by Target Trucking, Inc. of Vernal, Utah under existing Water Right Number 49-2169, Temporary Application Number T75184. Drilling water will be diverted from the White River at a point located approximately in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 31, T10S, R23E as approved in the subject *Application to Appropriate Water*.

Water will be transported over existing roads via tank truck from the point of diversion to the proposed Rock House #10D-32 well location. No new road construction will be required on/along the proposed water haul route.

10. PLANS FOR RECLAMATION OF THE SURFACE

A. Producing Operations:

1. Backfilling, leveling and re-contouring are planned as soon as possible after cessation of drilling and completion operations. Waste and spoil materials will be disposed of immediately upon cessation of drilling and completion activities.
2. For production, the fill slopes will be reduced from a 1.5:1 slope to a 3:1 slope and the cut slopes will be reduced from a 2:1 slope to a 3:1 slope by pushing the fill material back up into the cut.

10. PLANS FOR RECLAMATION OF THE SURFACE

A. Producing Operations: Continued

3. Upon completion of backfilling, leveling and recontouring, all disturbed surfaces (access road and well pad areas) will be scarified to a depth of one (1) foot and the stockpiled topsoil will be evenly redistributed to a depth of six (6) inches over the reclaimed area(s).
4. Prior to commencement of seeding operations, the seedbed will be prepared by disking on the contour to a depth of four (4) to six (6) inches. The entire disturbed area will be uniformly covered with depressions constructed perpendicular to the natural flow of water to facilitate the capture of moisture and subsequent promotion of revegetation success.
5. All disturbed surfaces (including the access road and well pad areas) will be reseeded using the following seed mixture (or a different mixture to be recommended by the Authorized Officer, Utah Division of Oil, Gas and Mining:

Species		Pounds Pure Live Seed (PLS) per Acre
Common Name	Scientific Name	
Siberian wheatgrass	<i>Agropyron frailie</i>	3.00
Russian wildrye	<i>Psathyrostachys juneca</i>	2.00
Indian ricegrass	<i>Stypia hymenoides</i>	1.00
Crested wheatgrass	<i>Agropyron cristatum</i>	2.00
Needleandthread grass	<i>Hesperostipia commata</i>	0.50
Thickspike wheatgrass	<i>Elymus lanceolauts</i>	2.50
Globe mallow	<i>Sphaeralcea coccinea</i>	0.25
Fourwing saltbush	<i>Atriples cansence</i>	2.00
Forage kochia	<i>Kochia postrata</i>	0.50
Winterfat	<i>Eurotia lanata</i>	1.00
Wyoming big sagebrush	<i>Artemesia tridentata</i>	0.50

6. Seed will be drilled on the contour with a seed drill equipped with a depth regulator in order to ensure even depths of planting. Seed will be planted between one-quarter (1/4) to one-half (1/2) inches deep.
7. Fall seeding will be completed after September 15th and prior to ground frost. If applicable, spring seeding will be completed after the frost has left the ground and prior to May 1st. The seeding will be repeated until a satisfactory stand, as determined by the UDOGM, is achieved. The first evaluation of growth will be made following the completion of the first growing season.
8. Re-seeding activities are considered best in the fall of 2005, unless otherwise requested by the Authorized Officer, UDOGM.

10. PLANS FOR RECLAMATION OF THE SURFACE - Continued

B. Abandoned Well Location:

1. Upon final abandonment of the well location, gravel will be removed from the access road surface and well location (as directed by the Authorized Officer), water diversion installed as needed, and both the access road and well location restored to approximately the original ground contour(s) by pushing the fill material back into the cut and up over the backslope.
2. Prior to commencement of seeding operations, the seedbed will be prepared by disking on the contour to a depth of four (4) to six (6) inches. All disturbed surfaces (including the access road and well pad areas) will be reclaimed and reseeded as recommended in Item #'s 10C3-7, above.



State Online Services

Agency List

Business.utah.gov

Search Utah

UTAH DIVISION OF WATER RIGHTS

(WARNING: Water Rights makes NO claims as to the accuracy

WRNUM: 49-2169

APPLICATION/CLAIM NO.: T75184

CERT. NO.:

OWNERSHIP*****

NAME: Target Trucking Inc.

ADDR: 2960 North 500 East

Vernal UT 84078

LAND OWNED BY APPLICANT? No

DATES, ETC.*****

FILED: 11/20/2003|PRIORITY: 11/20/2003|PUB BEGAN: |PUB ENDED:

ProtestEnd: |PROTESTED: [No]|HEARNG HLD: |SE ACTION: [Approv

EXTENSION: |ELEC/PROOF:[]|ELEC/PROOF: |CERT/WUC:

RENOVATE: |RECON REQ: |TYPE: []

PD Book No. Map:

Type of Right: Temporary Application Source of Info: Application to Appropri

Related Distribution System: Not part of any Distribution System

LOCATION OF WATER RIGHT*****

FLOW: 4.0 acre-feet

SOURCE: White River

COUNTY: Uintah

COMMON DESCRIPTION: 9 miles southwest of Bonanza

POINT OF DIVERSION -- SURFACE:

(1) N 2750 ft E 800 ft from SW cor, Sec 31, T 10S, R 23E, SLBM

Diverting Works: Pump into tank trucks for transport

Source:

PLACE OF USE OF WATER RIGHT*****

	NORTH-WEST¼ NW NE SW SE	NORTH-EAST¼ NW NE SW SE	SOUTH-WEST¼ NW NE SW SE
ALL T 9S R 20E SLBM	*		
ALL T 9S R 21E SLBM	*		
ALL T 9S R 22E SLBM	*		
ALL T 9S R 23E SLBM	*		
ALL T 9S R 24E SLBM	*		
ALL T 9S R 25E SLBM	*		
ALL T 10S R 20E SLBM	*		
ALL T 10S R 21E SLBM	*		
ALL T 10S R 22E SLBM	*		
ALL T 10S R 23E SLBM	*		
ALL T 10S R 24E SLBM	*		
ALL T 10S R 25E SLBM	*		
ALL T 11S R 20E SLBM	*		
ALL T 11S R 21E SLBM	*		

ALL T 11S R 22E SLBM	*
ALL T 11S R 23E SLBM	*
ALL T 11S R 24E SLBM	*
ALL T 11S R 25E SLBM	*
ALL T 12S R 20E SLBM	*
ALL T 12S R 21E SLBM	*
ALL T 12S R 22E SLBM	*
ALL T 12S R 23E SLBM	*
ALL T 12S R 24E SLBM	*
ALL T 12S R 25E SLBM	*
ALL T 13S R 20E SLBM	*
ALL T 13S R 21E SLBM	*
ALL T 13S R 22E SLBM	*
ALL T 13S R 23E SLBM	*
ALL T 13S R 24E SLBM	*
ALL T 13S R 25E SLBM	*

USES OF WATER RIGHT*****

CLAIMS USED FOR PURPOSE DESCRIBED: 2169

Referenced To:	Claims Groups:	1	Type of Referen
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.....
###OIL EXPLORATION Drilling and completion of oil and gas wells
This is a temporary application to be used from November 21, 2003 til November 20, 2

*****E N D O F D A T A*****

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MAC
Metcalf Archaeological Consultants, Inc.

May 5, 2004

Mr. Lloyd Bruce
The Houston Exploration Company
1100 Louisiana, Suite 2000
Houston, Texas 77002

Re: **Utah Project #U-04-MM-1069b,s:** proposed Rockhouse 2D-32, 10D-32, 12D-32 and 2D-36 well and access projects in Uintah County, Utah

Dear Mr Bruce,

Enclosed is one copy of our cultural resource inventory report for the above referenced project. The fieldwork was done April 13 and 14, 2004 and no cultural resources were found. MAC recommends a finding of no historic properties for this project.

One copy of the report has been sent to Kenny Wintch at the Utah State Institutional and Trust Lands Administration. Another copy has been sent to James Dykman, the Utah Division of State History. A third copy has been sent to Blaine Phillips at the BLM Vernal Field Office. Finally, a copy has been sent to Bob Anderson of Heitzman-Anderson.

Thank you for the opportunity to participate in this project. As always, please do not hesitate to contact our office if you have any questions or concerns about the enclosed report or about any aspect of our involvement in this project.

Sincerely,

Patrick K. O'Brien
Senior Staff Archaeologist

cc: ~~Bob Anderson of Heitzman-Anderson~~
James Dykman, UDSH Compliance Coordinator
Blaine Phillips, BLM Vernal Field Office
Kenny Wintch, SITLA Archaeologist

**The Houston Exploration Company:
Class III Cultural Resource Inventory for
4 Rockhouse Well Pads and Access Roads in Uintah County, Utah**

by
Tracy Hall
Metcalf Archaeological Consultants, Inc.
P.O. Box 899
Eagle, CO 81631

for
The Houston Exploration Company
1100 Louisiana, Suite 2000
Houston Texas 77002

Utah State Antiquities Permit No. U-04-MM
Expires 2/10/2005

Project No. U-04-MM-1069bs

May, 2004

Introduction

Metcalf Archaeological Consultants, Inc. (MAC) conducted a Class III cultural resource inventory for four of the Houston Exploration Company's proposed Rockhouse well pads and access roads in Uintah County, Utah (Figure 1 and Figure 2). The project is located in the eastern Uintah Basin about two miles south of the White River at the confluence of the east and west forks of the Saddletree Draw (12D-32, 10D-32 & 2D-32) and in an unnamed intermittent drainage that flows north into the White River that lies east of Archy Bench (2D-36).

Four ten acre blocks centered on the proposed location-to-drill stakes were inventoried. The wells will be drilled on prepared, level, earthen pads approximately 2.5 acres in size. The portions of the proposed access roads that lie outside of the ten acre blocks were inventoried separately. Access inventory covered 100 foot wide corridors along a total of approximately 22,250 feet of proposed access. Thus, a total of 91.1 acres were surveyed for this project. The majority of the project area (64.7 acres in section 36, T10S, R22E) is owned by the State of Utah and managed by the State Institutional and Trust Lands Administration (SITLA) in Salt Lake City, Utah. However, approximately 11,490 feet of proposed access for the Rockhouse 2D-36 well is on federal land administered by the BLM-Vernal Field Office. A total of 26.4 acres of BLM land was inventoried in sections 6 and 7, T11S, R23E.

This cultural resource inventory was conducted to locate, identify, and evaluate any cultural resources within the project boundaries. The fieldwork was conducted by MAC staff archaeologist John M. Scott on April 13 and 14, 2004 under the stipulations of the Utah Antiquities Annual Permit #U-04-MM (expires 2/10/05). All field notes, maps, and photographic negatives are on file at the MAC office in Eagle, Colorado.

Project Setting

The proposed well is located in the eastern portion of the Uinta Basin. More specifically, it is about two miles south of the White River in the area surrounding the confluence of the east and west forks of the Saddletree Draw (12D-32, 10D-32 & 2D-32) and in an unnamed intermittent drainage that flows north into White River that lies just east of Archy Bench (2D-36). This area is dissected tablelands south of the White River with rugged, deep canyons and high ridges. Most of this region drains by a series of dendritic streams that flow north into the White River.

Three well pads are located in section 32, T10S, R23E. Proposed well pad 2D-32 is in the NW/NE/NE; proposed well pad 10D-32 is in the NE/NW/SE; and proposed well pad 12D-32 is in the SE/NW/SW. Proposed Rockhouse well pad 2D-36 is in the NW/NE/NE of Section 36, T10S, R22E. The access corridors begin at the edges of the well pads and typically follow drainage features to the nearest existing road.

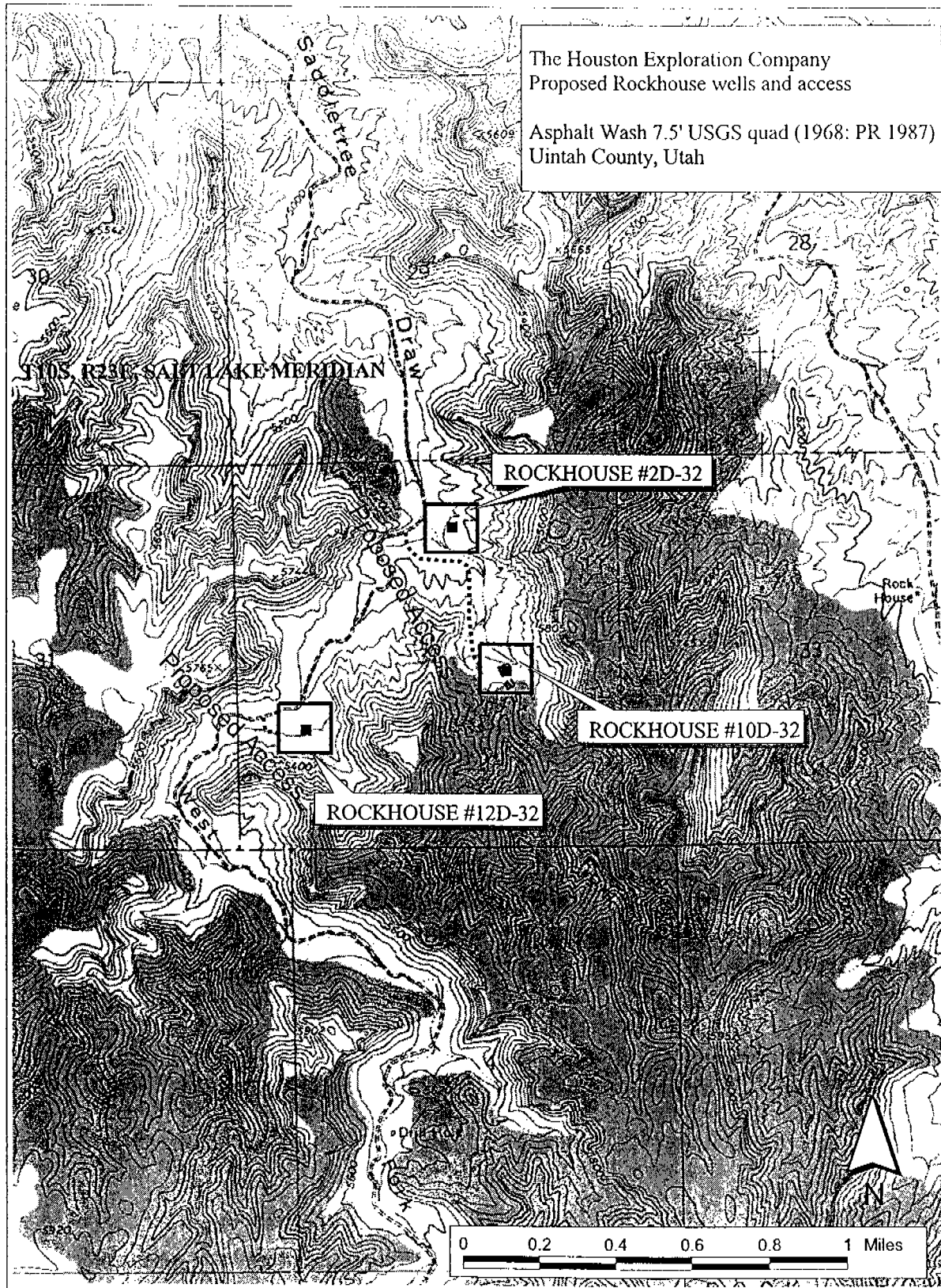
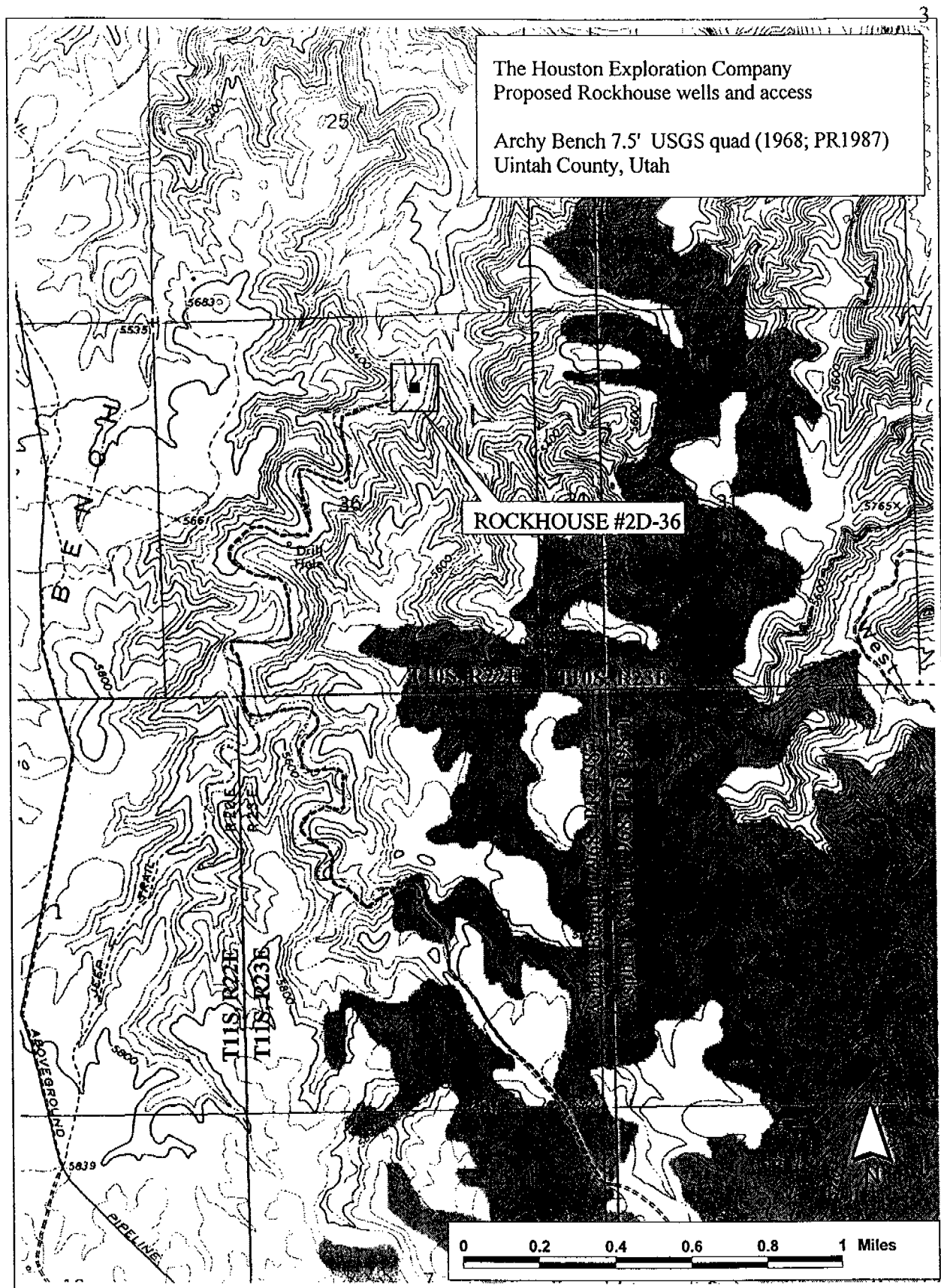


Figure 1 Location of proposed Rockhouse 2D-36 well and access developments



substantial erosion and the soil deposition consists of silty sand with many exposed sandstone cobbles and gravels. The vegetation is a semi-arid desert shrubland dominated by sagebrush and greasewood. A few Junipers are found at the bases of canyon walls. The ground surface visibility was good with only 15-30% cover.

Cultural History and Files Search

A files search was conducted at the Utah Division of State History in Salt Lake City for the project area on December 3, 2003. An additional files search was conducted with the Bureau of Land Management on December 18th of the same year. These searches revealed that no sites or surveys are recorded within project boundaries. However, several projects (U-98-SA-693, U-02-MQ-0243, & U-83-CE-0499) have been done in the close vicinity.

The cultural history of the area has been detailed by Spangler (1995), and the region immediately to the east in Colorado has been discussed by Reed and Metcalf (1999). The reader is directed to these sources for in-depth discussions of the region's cultural history.

Based on the fact that sites have been recorded in the general region, MAC thought it possible that sites could be found in the project area. These sites would most likely be short term historic ranching/camp activity areas.

Methods

The proposed well locations were studied by walking parallel pedestrian transects spaced no more than 15 m apart to cover the north-south oriented 10 acre block centered on the location-to-drill stake. However, in some instances canyon walls within the 10 acre blocks were too steep for survey. The proposed access routes were inspected by walking one transect on each side of the proposed center lines, resulting in coverage of a 100 foot-wide corridor. All portions of proposed access outside the 10 acre blocks were inventoried. No cultural resources were encountered. Therefore, procedures for their identification and documentation will not be discussed.

Results and Summary

No cultural materials were located during this inventory and nothing was observed to indicate a potential for buried cultural deposits. A finding of no historic properties is recommended. Cultural resource clearance is recommended for these well and access developments as staked at the time of inventory.

References Cited

Hintze, L.

- 1980 *Geologic Map of Utah*. Dept. of Natural Resources, Utah Geological and Mineral Survey, Salt Lake City.

Reed, A. D., and M. Metcalf

- 1999 *Colorado Prehistory: A context for the Northern Colorado River Basin*. Colorado Council of Professional Archaeologists.

Spangler, J. D.

- 1995 *Paradigms and Perspectives A Class I Overview of Cultural Resources In the Uinta Basin and Tavaputs Plateau*. Uintah Research, Salt Lake City. Prepared for the Utah Bureau of Land Management, Vernal Field Office. On file, Utah Division of State History, Salt Lake City.

Stokes, William L.

- 1986 *Geology of Utah*. Utah Museum of Natural History and Utah Geological and Mineral Survey, Salt Lake City.

THE HOUSTON EXPLORATION COMPANY

ROCKHOUSE #10D-32

LOCATED IN UINTAH COUNTY, UTAH
SECTION 32, T10S, R23E, S.L.B.&M.

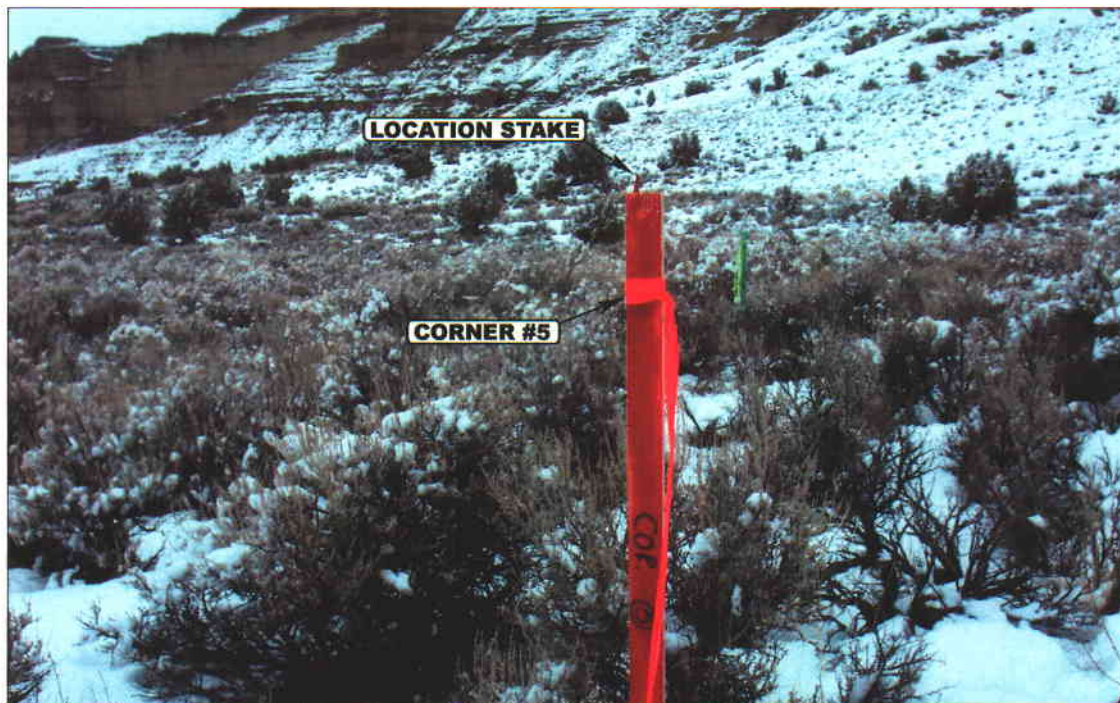


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHEASTERLY



- Since 1964 -

UELS

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

12 17 03
MONTH DAY YEAR

PHOTO

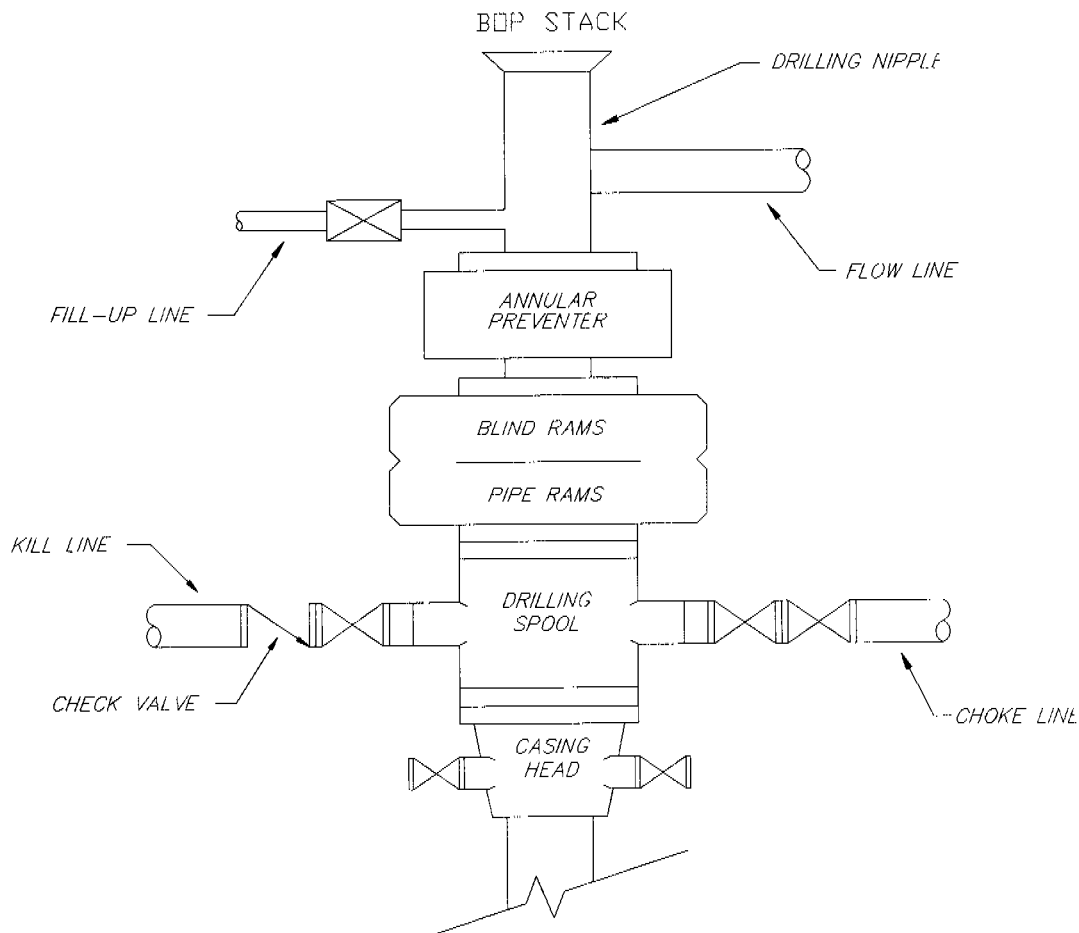
TAKEN BY: K.K.

DRAWN BY: P.M.

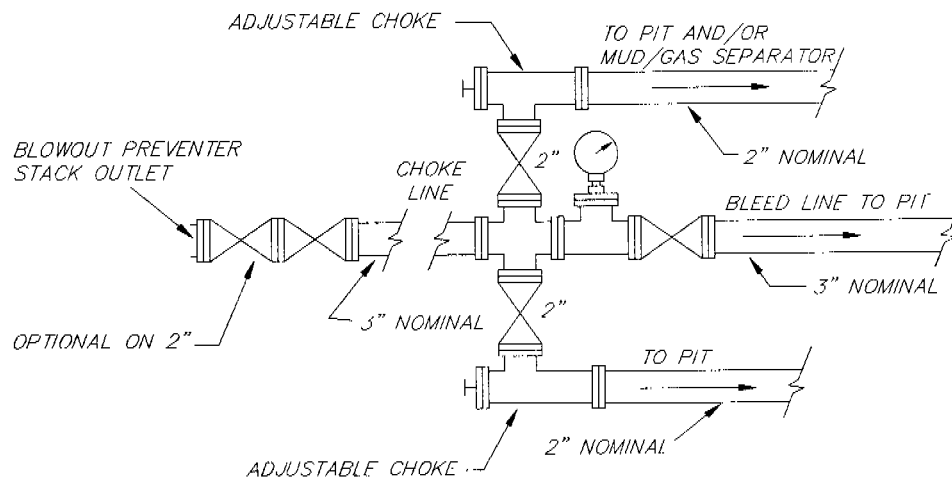
REVISED: 00-00-00

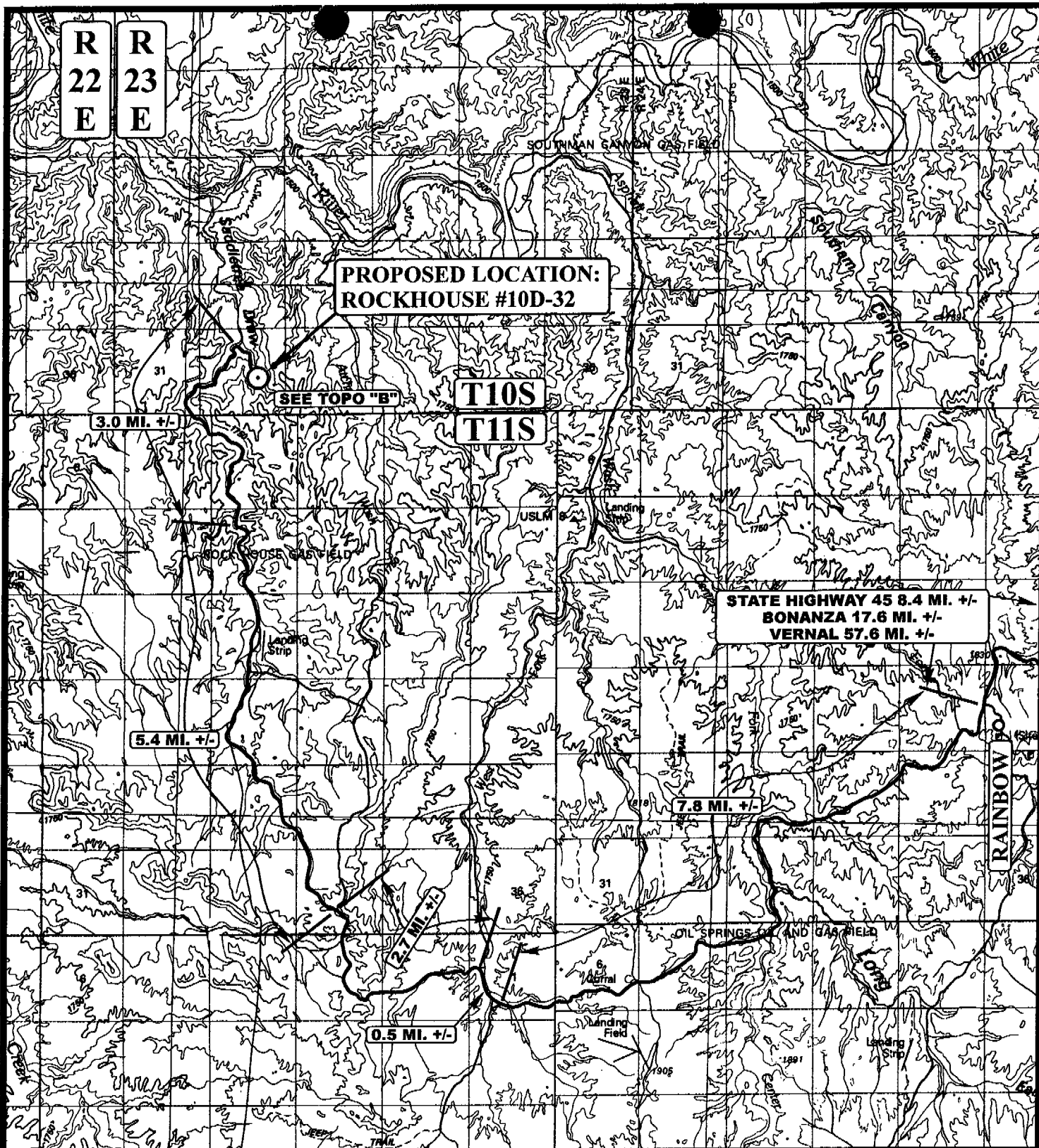
THE HOUSTON EXPLORATION COMPANY

TYPICAL 3,000 p.s.i. BLOWOUT PREVENTER SCHEMATIC



TYPICAL 3,000 p.s.i. CHOKE MANIFOLD SCHEMATIC





LEGEND:

○ PROPOSED LOCATION

N



THE HOUSTON EXPLORATION COMPANY

ROCKHOUSE #10D-32
SECTION 32, T10S, R23E, S.L.B.&M.
2367' FSL 1595' FEL



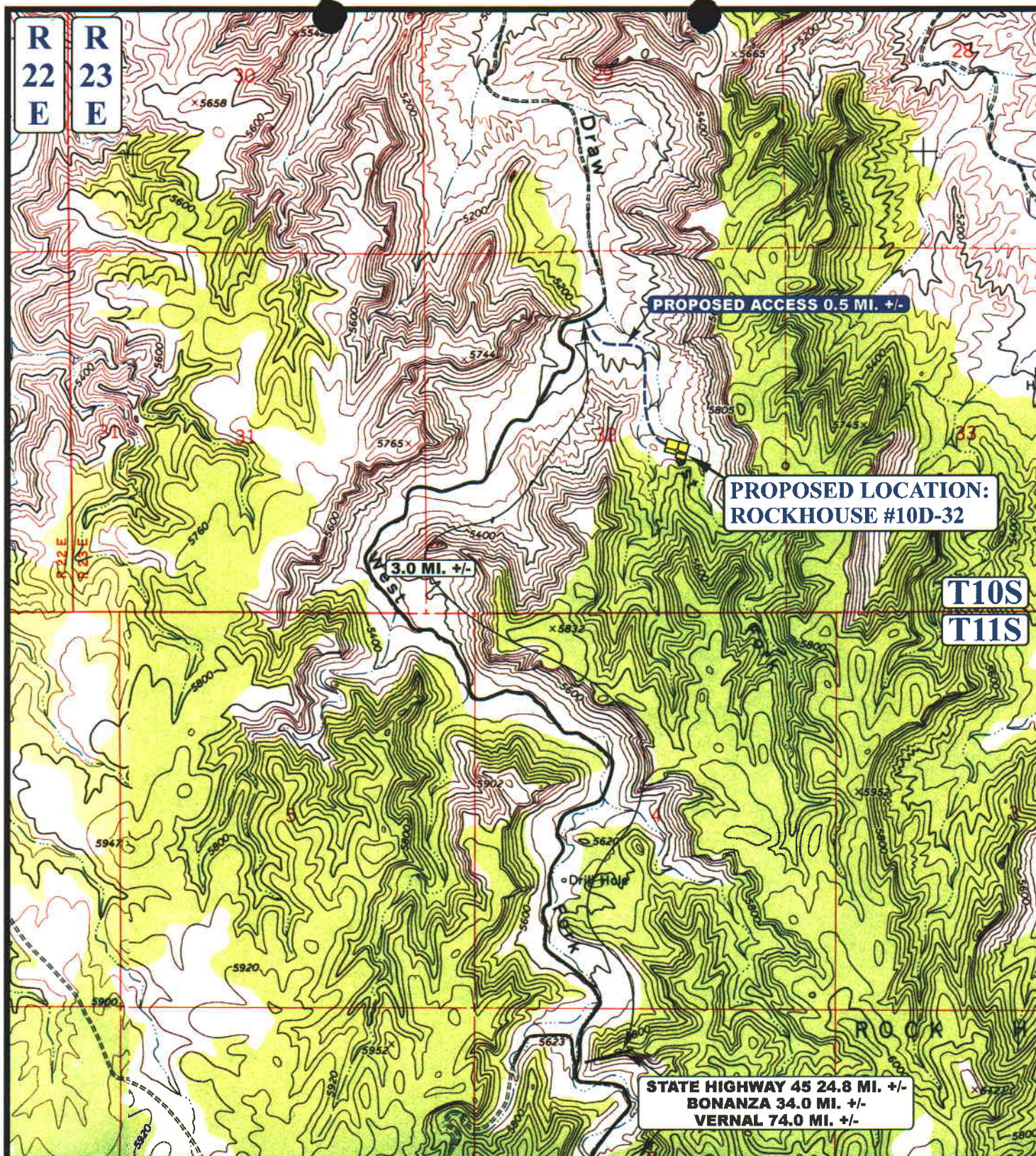
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

12 17 03
 MONTH DAY YEAR

SCALE: 1:100,000 **DRAWN BY: P.M.** **REVISED: 00-00-00**





LEGEND:

————— EXISTING ROAD
 - - - - - PROPOSED ACCESS ROAD



THE HOUSTON EXPLORATION COMPANY

ROCKHOUSE #10D-32
 SECTION 32, T10S, R23E, S.L.B.&M.
 2367' FSL 1595' FEL

U E L S
 Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

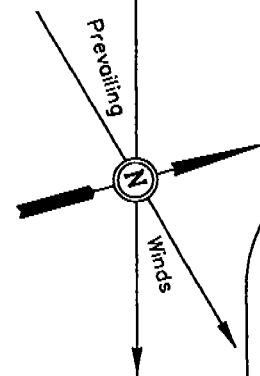
TOPOGRAPHIC 12 17 03
MAP MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: P.M. REVISED: 00-00-00

B
 TOPO

THE HOUSTON EXPLORATION COMPANY

LOCATION LAYOUT FOR

ROCKHOUSE #10D-32
SECTION 32, T10S, R23E, S.L.B.&M.
2367' FSL 1595' FEL



SCALE: 1" = 50'
DATE: 12-16-03
Drawn By: C.G.

NOTE:

Flare Pit is to be located a min. of 100' from the Well Head.

Pit T.S.

FLARE PIT

20' WIDE BENCH

El. 303.6'
C-30.7'
(btm. pit)

15' WIDE BENCH

Pit Capacity
With 2' of
Freeboard is
± 12,250 Bbls.

RESERVE PITS
(12' Deep)

Sta. 0+18

20' WIDE BENCH

El. 314.3'
C-41.4'
(btm. pit)

C-13.8'
El. 298.7'

Reserve Pit Backfill
& Spoils Stockpile

CATWALK

PIPE RACKS

C-8.2'
El. 293.1'

C-1.9'
El. 286.8'

RIG

DOG HOUSE

WATER

PUMP

MUD SHED

HOPPER

POWER

TOOLS

FUEL

TRASH

C-9.4'
El. 294.3'

Approx.
Top of
Cut Slope

Round Corners
as needed

Proposed Access
Road

F-16.0'
El. 268.9'

Sta. 3+30

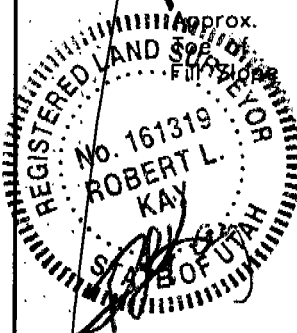
Sta. 1+50

F-7.7'
El. 277.2'

Sta. 0+00

C-1.1'
El. 286.0'

Construct
Diversion
Ditch



Elev. Ungraded Ground at Location Stake = 5286.8'
Elev. Graded Ground at Location Stake = 5284.9'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

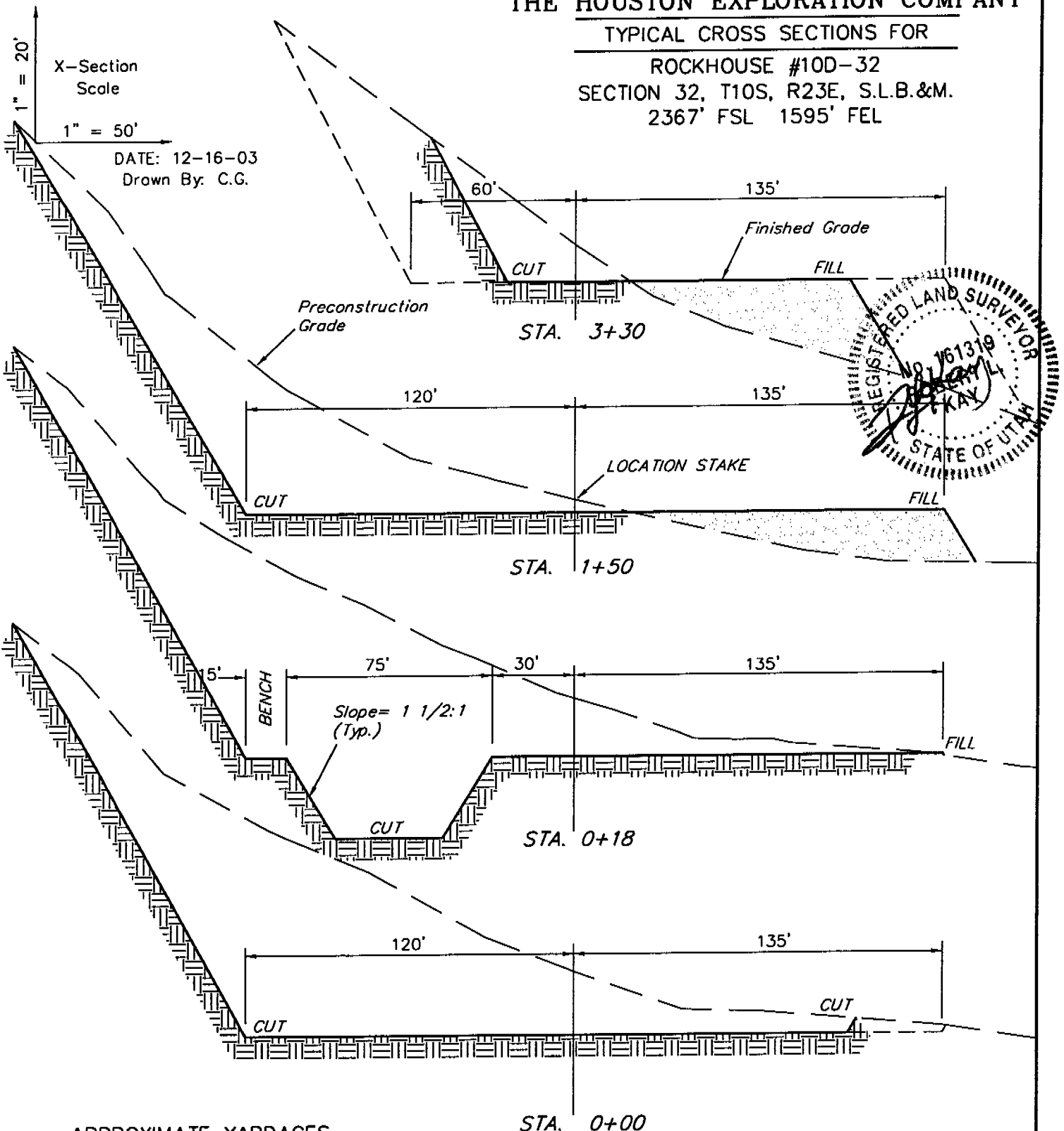
THE HOUSTON EXPLORATION COMPANY

TYPICAL CROSS SECTIONS FOR

ROCKHOUSE #10D-32

SECTION 32, T10S, R23E, S.L.B.&M.

2367' FSL 1595' FEL



APPROXIMATE YARDAGES

(6") Topsoil Stripping	= 1,420 Cu. Yds.
Remaining Location	= 26,810 Cu. Yds.
TOTAL CUT	= 28,230 CU.YDS.
FILL	= 9,790 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	= 17,930 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,080 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 14,850 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 05/28/2004

API NO. ASSIGNED: 43-047-35761

WELL NAME: ROCK HOUSE 10D-32OPERATOR: HOUSTON EXPLORATION CO, (N2525)CONTACT: ROBERT ANDERSONPHONE NUMBER: 713-830-6973

PROPOSED LOCATION:

NWSE 32 100S 230E

SURFACE: 2367 FSL 1595 FEL

BOTTOM: 2367 FSL 1595 FEL

UINTAH

NATURAL BUTTES (630)

LEASE TYPE: 3 - State

LEASE NUMBER: ML-47063 *6K*

SURFACE OWNER: 3 - State

PROPOSED FORMATION: CSLGT

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	<i>Dr D</i>	<i>7/16/04</i>
Geology		
Surface		

LATITUDE: 39.90473

LONGITUDE: 109.34612

RECEIVED AND/OR REVIEWED:

- ☒ Plat
- ☒ Bond: Fed[] Ind[] Sta[3] Fee[]
(No. 104155043 *OK*)
- ☒ Potash (Y/N)
- ☒ Oil Shale 190-5 (B) or 190-3 or 190-13
- ☒ Water Permit
(No. 49-2169)
- ☒ RDCC Review (Y/N)
(Date: _____)
- ☒ Fee Surf Agreement (Y/N)

LOCATION AND SITING:

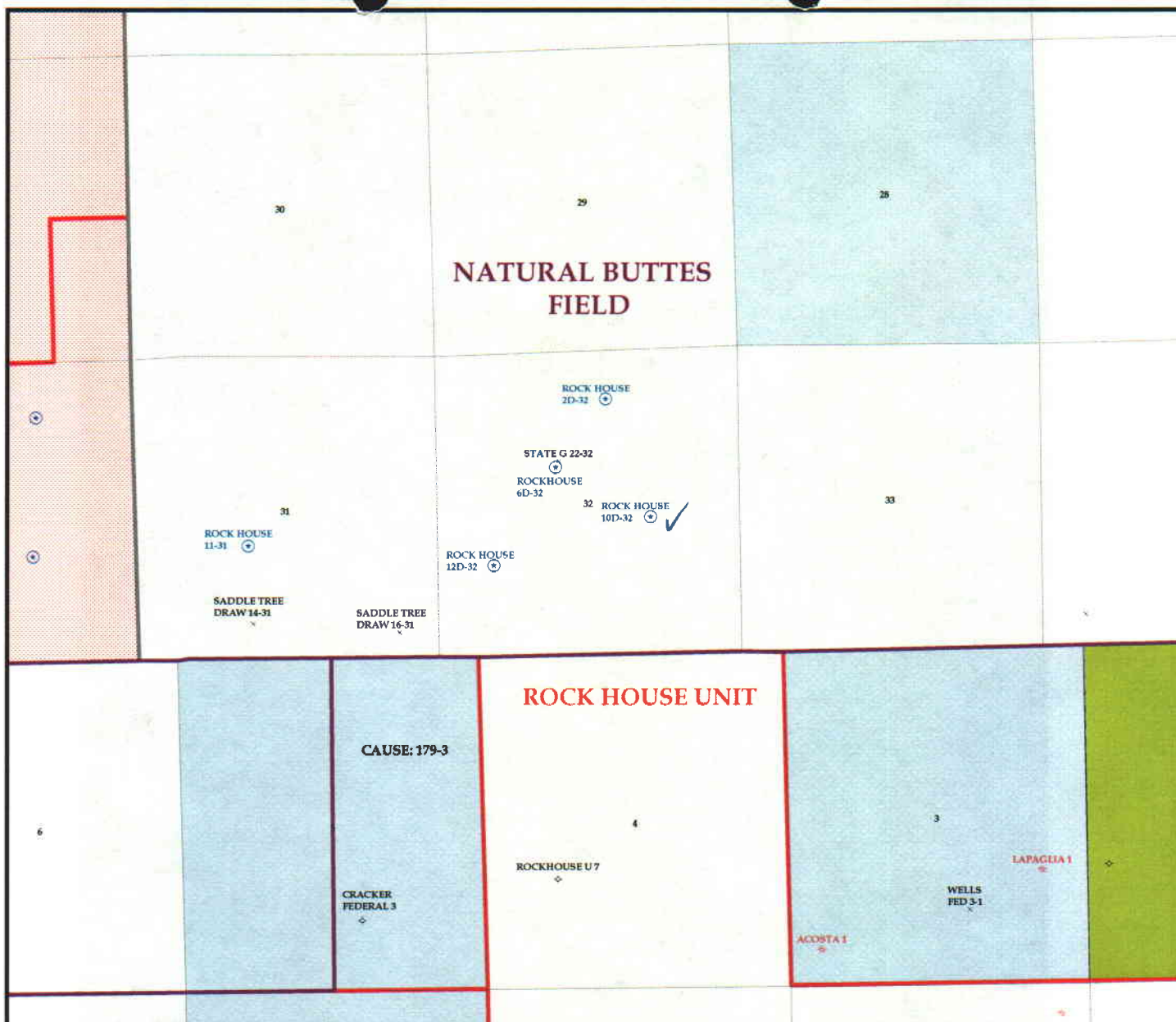
- R649-2-3.
- Unit _____
- R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- ☒ R649-3-3. Exception
- Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
- R649-3-11. Directional Drill

COMMENTS:

Needs Permit (07-01-04)

STIPULATIONS:

- 1- Spacing Strip*
- 2- Surface Csg Cmt Strip*
- 3- 5 1/2" production Csg Cmt should be brought up to 3300' min. to isolate Wasatch Fm.*
- 4- STATEMENT OF BASIS*



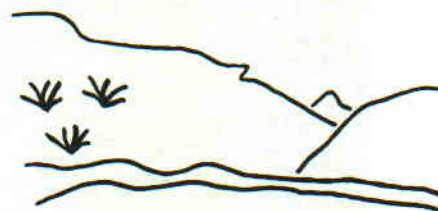
OPERATOR: HOUSTON EXPL CO (N2525)

SEC. 32 T.10S, R23E

FIELD: NATURAL BUTTES (630)

COUNTY: UTAH

SPACING: R649-3-3 / EXCEPTION LOCATION



Utah Oil Gas and Mining

- Well Status
- ⚡ GAS INJECTION
 - ⬢ GAS STORAGE
 - × LOCATION ABANDONED
 - ⊕ NEW LOCATION
 - ⬢ PLUGGED & ABANDONED
 - ⬢ PRODUCING GAS
 - PRODUCING OIL
 - ⬢ SHUT-IN GAS
 - ⬢ SHUT-IN OIL
 - ⬢ TEMP. ABANDONED
 - TEST WELL
 - ▲ WATER INJECTION
 - ⬢ WATER SUPPLY
 - ⬢ WATER DISPOSAL



PREPARED BY: DIANA WHITNEY
DATE: 8-JUNE-2004

From: Ed Bonner
To: Whitney, Diana
Date: 6/21/2004 11:06:45 AM
Subject: Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

National Fuel Corporation
Horse Point State 43-32

ChevronTexaco
State of Utah "SS" 22-165

Westport Oil & Gas Company
State 1022-32I (alternate location)
State 1022-32M

The Houston Exploration Company
Rock House 2D-36
Rock House 2D-32
Rock House 10D-32
Rock House 12D-32
Southman Canyon 8C-36
Southman Canyon 14C-36
Southman Canyon 16C-36

If you have any questions regarding this matter please give me a call.

CC: Garrison, LaVonne; Hill, Brad; Hunt, Gil

DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS

OPERATOR: _____ THE HOUSTON EXPLORATION COMPANY
WELL NAME & NUMBER: _____ ROCKHOUSE 10D-32
API NUMBER: _____ 43-047-35761
LOCATION: 1/4,1/4 NW/SE Sec: 32 TWP: 10S RNG: 23E 1595' FEL 2367' FSL

Geology/Ground Water:

Houston proposes to set 2,000' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 4,200'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the proposed location. The surface formation at this site is the Green River Formation. The Green River Formation is made up of interbedded limestones, shales and sandstones. The proposed casing and cementing program should adequately protect any underground sources of useable water.

Reviewer: _____ Brad Hill **Date:** _____ 07-07-04

Surface:

The predrill investigation of the surface was performed on 07/01/04. Floyd Bartlett with DWR and Ed Bonner with SITLA were invited to this investigation on 06/14/04. Mr. Bartlett was present. He had no concerns regarding the construction of this location or the drilling of the well. Mr. Bartlett gave Mr. Anderson a DWR approved seed mix to be used during pit reclamation and to re-seed access road shoulders. SITLA did not have a representative present, but Ed Bonner arrived after the investigation was finished. He said he would inspect the site in the afternoon. This site is on State surface, with State minerals, and appears to be the best site for a location in the immediate area.

Reviewer: _____ David W. Hackford **Date:** _____ 07/06/2004

Conditions of Approval/Application for Permit to Drill:

1. A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.

ON-SITE PREDRILL EVALUATION
Division of Oil, Gas and Mining

OPERATOR: THE HOUSTON EXPLORATION COMPANY
WELL NAME & NUMBER: ROCKHOUSE 10D-32
API NUMBER: 43-047-35761
LEASE: ML-47063 FIELD/UNIT: NATURAL BUTTES
LOCATION: 1/4, 1/4 NW/SW Sec: 32 TWP: 10S RNG: 23E 1595' FEL 2367' FSL
LEGAL WELL SITING: 460 F SEC. LINE; 460 F 1/4, 1/4 LINE; 920 F ANOTHER WELL.
GPS COORD (UTM): 641361E 4418279N SURFACE OWNER: STATE OF UTAH

PARTICIPANTS

DAVID W. HACKFORD (DOGM). FLOYD BARTLETT (DWR). ROBERT ANDERSON (HOUSTON), ROBERT KAY (UELS).

REGIONAL/LOCAL SETTING & TOPOGRAPHY

SITE IS IN THE BOTTOM OF AN UNNAMED DRAW THAT RUNS INTO THE WEST FORK OF SADDLETREE DRAW 0.5 MILES TO THE NORTHEAST. SADDLETREE DRAW RUNS TO THE NORTH AND ENTERS THE WHITE RIVER 1.4 MILES AWAY. BOTH OF THESE DRAWS HAVE A RELATIVELY FLAT BOTTOM APPROX. 600' WIDE WITH STEEP AND RUGGED RIDGES TO THE EAST AND WEST. THE SLOPES OF THESE RIDGES HAVE NUMEROUS SANDSTONE OUTCROPPINGS AND SHEER CLIFFS AND LEDGES.

SURFACE USE PLAN

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING, HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE 330' BY 240'. ACCESS ROAD WILL BE 0.5 MILES.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE ATTACHED MAP FROM GIS DATABASE.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: ALL PRODUCTION FACILITIES WILL BE ON LOCATION AND ADDED AFTER DRILLING WELL. PIPELINE WILL BE SURVEYED AND PERMITTED AT A LATER DATE IF NEEDED.

SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL WILL BE BORROWED FROM SITE DURING CONSTRUCTION OF LOCATION.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

WASTE MANAGEMENT PLAN:

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO AN APPROVED LAND FILL.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: SAGE, GREASEWOOD, HORSEBRUSH, PRICKLY PEAR, SHADSCALE,
SPINEY HOPSAGE, JUNIPER, CHEATGRASS, SALTBRUSH:
DEER, ANTELOPE, RODENTS, RAPTORS, SONGBIRDS, BOBCAT, COYOTE, RABBITS.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY CLAY.

EROSION/SEDIMENTATION/STABILITY: VERY LITTLE NATURAL EROSION.
SEDIMENTATION AND STABILITY ARE NOT A PROBLEM AND LOCATION CONSTRUCTION
SHOULDN'T CAUSE AN INCREASE IN STABILITY OR EROSION PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED

RESERVE PIT

CHARACTERISTICS: 147' BY 75' AND 12' DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A 12 MIL LINER WILL BE
REQUIRED FOR RESERVE PIT.

SURFACE RESTORATION/RECLAMATION PLAN

AS PER SITLA.

SURFACE AGREEMENT: AS PER SITLA.

CULTURAL RESOURCES/ARCHAEOLOGY: SITE WAS INSPECTED BY METCALF
ARCHEOLOGICAL CONSULTANTS. A REPORT OF THIS INVESTIGATION WILL BE PLACED ON
FILE.

OTHER OBSERVATIONS/COMMENTS

THIS PREDRILL INVESTIGATION WAS CONDUCTED ON A HOT, SUNNY DAY.

ATTACHMENTS:

PHOTOS OF THIS SITE WERE TAKEN AND PLACED ON FILE.

DAVID W. HACKFORD
DOGM REPRESENTATIVE

7/01/04, 11:45 AM
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>5</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>10</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>0</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of hazardous constituents	20	<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility		
Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>

Final Score 20 (Level I Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.

Sensitivity Level II = 15-19; lining is discretionary.

Sensitivity Level III = below 15; no specific lining is required.





07-04 Houston Rock House RD-32

Casing Schematic

Green River

Surface

Surface Strip

9-5/8"
MW 8.4
Frac 19.3

TOC @
437.

1599
TOC tail

w/18% Washout
10% → Surface

Surface
2000. MD

BAD

$$(.052)(8050)(9.3) = 3892$$

Anticipate 4052 (max)

Gas

$$(.12)(8050) = 966$$

$$\text{MASD} = 2926$$

$$\text{BOPE} = 3000 \checkmark$$

$$\text{Surf Csg} - 3520$$

$$70\% = 2464$$

Test to 2400 psi ✓

Adequate
DND
7/16/04

5-1/2"
MW 9.3

TOC @
4353.

4200 BMSW

5242 Mesquite

5730
TOC Tail

7748 Castigate

Production
8050. MD

TOC Strip ≈ 3300'
protect Washout

w/15% Washout
7% → TOC 3354'

Well name:	07-04 Houston Rock House 10D-32	
Operator:	The Houston Exploration Company	Project ID:
String type:	Surface	43-047-35761
Location:	Uintah County	

Design parameters:
Collapse

Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Minimum design factors:
Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 93 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 250 ft

Cement top: 437 ft

Burst

Max anticipated surface pressure: 1,760 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,000 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 1,751 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 8,050 ft
Next mud weight: 9.300 ppg
Next setting BHP: 3,889 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,000 ft
Injection pressure 2,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2000	9.625	36.00	K-55	ST&C	2000	2000	8.765	142.4

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	873	2020	2.315	2000	3520	1.76	63	423	6.71 J

Prepared by: Clinton Dworshak
Utah Div. of Oil & Mining

Phone: 801-538-5280
FAX: 810-359-3940

Date: July 9, 2004
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 2000 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	07-04 Houston Rock House 10D-32	
Operator:	The Houston Exploration Company	
String type:	Production	Project ID: 43-047-35761
Location:	Uintah County	

Design parameters:
Collapse

Mud weight: 9.300 ppg
Design is based on evacuated pipe.

Minimum design factors:
Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 178 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 4,353 ft

Burst

Max anticipated surface pressure: 2,923 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 3,889 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.
Neutral point: 6,915 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	8050	5.5	17.00	N-80	LT&C	8050	8050	4.767	277.4

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3889	6290	1.617	3889	7740	1.99	118	348	2.96

Prepared by: Clinton Dworshak
Utah Div. of Oil & Mining

Phone: 801-538-5280
FAX: 810-359-3940

Date: July 9, 2004
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 8050 ft, a mud weight of 9.3 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.



State of Utah

Department of
Natural Resources

ROBERT L. MORGAN
Executive Director

Division of
Oil, Gas & Mining

LOWELL P. BRAXTON
Division Director

OLENE S. WALKER
Governor

GAYLE F. McKEACHNIE
Lieutenant Governor

July 19, 2004

The Houston Exploration Company
1100 Louisiana, Suite 2000
Houston, Texas 77002

Re: Rock House #10D-32 Well, 2367' FSL, 1595' FEL, NW SE, Sec. 32,
T. 10 South, R. 23 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-35761.

Sincerely,

A handwritten signature in black ink, appearing to read "John R. Baza".

John R. Baza
Associate Director

jc
Enclosures

cc: Uintah County Assessor
SITLA

Operator: The Houston Exploration Company
Well Name & Number Rock House #10D-32
API Number: 43-047-35761
Lease: ML-47063

Location: NW SE **Sec.** 32 **T.** 10 South **R.** 23 East

Conditions of Approval

1. **General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. **Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
6. Surface casing shall be cemented to the surface.
7. 5½" production casing cement should be brought up to 3300' min. to isolate Wasatch Formation.

8. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

DIVISION OF OIL, GAS AND MINING**SPUDDING INFORMATION**Name of Company: THE HOUSTON EXPLORATION COMPANYWell Name: ROCK HOUSE 10D-32Api No: 43-047-35761 Lease Type: STATESection 32 Township 10S Range 23E County UINTAHDrilling Contractor PETE MARTIN'S RIG # BUCKET**SPUDDED:**Date 08/26/04

Time _____

How DRY**Drilling will commence:** _____Reported by KENNETH NIELSONTelephone # 1Date 09/13/2004 Signed CHD

007

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORMOperator: The Houston Exploration CompanyOperator Account Number: N 2525Address: 1100 Louisiana, Suite 2000City: HoustonState: TX Zip: 77002Phone Number: (713) 830-6800**Well 1**

API Number	Well Name	QC	Sec	Twp	Rng	County
43-047-35760	Rock House 2D-32	NWNE	32	10S	23E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	14317	8/28/04	10/6/04		
Comments: <u>CSLGT</u>						

K

Well 2

API Number	Well Name	QC	Sec	Twp	Rng	County
43-047-35761	Rock House 10D-32	NWSE	32	10S	23E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	14318	9/20/04	10/06/04		
Comments: <u>CSLGT</u>						

K

Well 3

API Number	Well Name	QC	Sec	Twp	Rng	County
43-047-35622	Bonanza 4D-16	NWNW	16	9S	24E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	14319	9/12/04	10/6/04		
Comments: <u>CSLGT</u>						

K

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

RECEIVED
SEP 27 2004

DIV. OF OIL, GAS & MINING

Theresa Overturf

Name (Please Print)

Theresa Overturf

Signature

Engineering Technician 9/27/04

Title

Date

008

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML 47063
2. NAME OF OPERATOR: The Houston Exploration Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1100 Louisiana, Ste 2000 Houston TX 77002		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2367' FSL & 1595' FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 32 10S 23E		8. WELL NAME and NUMBER: Rock House 10D-32
PHONE NUMBER: (713) 830-6938		9. API NUMBER: 4304735761
		10. FIELD AND POOL, OR WILDCAT: Wildcat

COUNTY: Uintah

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Waiting on Pipeline</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

11/1/04 - 11/30/04 Drld to 7470'. Log. Ran 4 1/2" csg, set @ 7436' & cmted. Perf 6906'-7225' & frac w/ 188500# 20/40 sd. Perf 6487'-6734' & frac w/ 158500# 20/40 sd. Flwd on 16/64"-20/64" ck, 3.2-4.5 MMCF, 15-30 BW. Perf 4919'-4926'. Flwd on 14/64"-20/64" ck, 40-70 MCF. Install surface equipment. Waiting on pipeline.

NAME (PLEASE PRINT) Theresa Overturf

TITLE Engineering Technician

SIGNATURE

Theresa Overturf

DATE 12/2/2004

(This space for State use only)

RECEIVED**DEC 06 2004**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

009

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐

2. NAME OF OPERATOR:
The Houston Exploration Company

3. ADDRESS OF OPERATOR:
1100 Louisiana, Ste 2000 CITY Houston STATE TX ZIP 77002

PHONE NUMBER:
(713) 890-6938

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

QTR/CTA, SECTION, TOWNSHIP, RANGE, MERIDIAN:

COUNTY: Uintah

STATE: UTAH

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please hold all information on the following wells confidential:

Rock House 2D-32
Rock House 2D-36
Rock House 6D-32
Rock House 10D-32 - T10S R23ES-32, 43-049-35761
Rock House 12D-32
Bonanza 4D-16

RECEIVED

JAN 11 2005

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Theresa Overturf

TITLE Engineering Technician

SIGNATURE

DATE 1/11/2005

(This space for State use only)

(See Instructions on Reverse Side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8
(highlight changes)

010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐
b. TYPE OF WORK: NEW WELL ☒ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER ☐

CONFIDENTIAL

2. NAME OF OPERATOR: The Houston Exploration Company
3. ADDRESS OF OPERATOR: 1100 Louisiana, Ste 2000 CITY Houston STATE TX ZIP 77002 PHONE NUMBER: 713-830-6938

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 2367' FSL & 1595' FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH:

CONFIDENTIAL
PERIOD
EXPIRED
ON 12-20-05

5. LEASE DESIGNATION AND SERIAL NUMBER: ML 47063
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT or CA AGREEMENT NAME
8. WELL NAME and NUMBER: Rock House 10D-32
9. API NUMBER: 43-047-35761
10 FIELD AND POOL, OR WILDCAT: Wildcat
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE Sec 32, T10S R23E
12. COUNTY: Uintah 13. STATE: UTAH

14. DATE SPUDDED: 10/26/04 15. DATE T.D. REACHED: 11/1/04 16. DATE COMPLETED: 11/14/04
17. ELEVATIONS (DF, RKB, RT, GL): 5285' GL
18. TOTAL DEPTH: MD 7470' TVD 19. PLUG BACK T.D.: MD 7392' TVD 20. IF MULTIPLE COMPLETIONS, HOW MANY? *
21. DEPTH BRIDGE PLUG SET: MD TVD
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) ✓ Platform Express / TRIPLE COMBO ✓ PE/AI TOOL
23. WAS WELL CORED? NO ☒ YES ☐ (Submit analysis)
WAS DST RUN? NO ☒ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☒ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/L)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
16"	13 3/8"	48#	Surface	55'				Surface	
11"	8 5/8"	24#	Surface	2145'		475 sx		Surface	
7 7/8"	4 1/2"	11.6#	Surface	7436'		1335 sx		2554'	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	7184'							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Mesaverde	6487'	6734'			6487'/6734'		114	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) Mesaverde	6906'	7225'			6906'/7225'		123	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
6487'-6734'	158,500# 20/40 sd
6906'-7225'	188,500# 20/40 sd

RECEIVED

JAN 28 2005

DIV. OF OIL, GAS & MINING

29. ENCLOSED ATTACHMENTS:

☒ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

PGW

31. INITIAL PRODUCTION All Intervals

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 12/3/04		TEST DATE: 11/18/04		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 3100	WATER - BBL: 20	PROD. METHOD: Flow
CHOKE SIZE: 20/64	TBG. PRESS.	CSG. PRESS. 1250	API GRAVITY	BTU - GAS 1127	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 3100	WATER - BBL: 20	INTERVAL STATUS: PGW

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL ~ BBL:	GAS ~ MCF:	WATER ~ BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU ~ GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL ~ BBL:	GAS ~ MCF:	WATER ~ BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Uteland Butte	3191'
				Wasatch	3270'
				Mesaverde	5132'
				Sego	7352'

35. ADDITIONAL REMARKS (Include plugging procedure)

PLEASE KEEP WELL INFORMATION CONFIDENTIAL

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Lloyd BruceTITLE Senior Operations EngineerSIGNATURE *Lloyd Bruce*DATE 1/18/05

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation

- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47063
2. NAME OF OPERATOR: The Houston Exploration Company		8. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1100 Louisiana Suite 2000 CITY Houston STATE TX ZIP 77002		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (713) 830-6800		8. WELL NAME and NUMBER: Rock House 10D-32
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2367' FSL & 1595' FEL		9. API NUMBER: 4304735761
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 32 10S 23E		10. FIELD AND POOL, OR WILDCAT:

COUNTY: Uintah

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The Operator proposes to dewater the reserve pit on the subject well. Application for Permit to Drill approved trucking and disposal of produced and drilling fluids. Operator proposes to evaporate instead of trucking the water in the reserve pit to facilitate closing and reclamation of the reserve pit. Operator proposes to use a pumping system for evaporation.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RECEIVED

MAY 24 2005

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) William A Ryan	TITLE Agent
SIGNATURE <i>William A Ryan</i>	DATE 5/19/2005

(This space for State use only)

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ

2. CDW

Change of Operator (Well Sold)

X - Operator Merger

The operator of the well(s) listed below has changed, effective:

6/1/2007

FROM: (Old Operator):

N2525 - The Houston Exploration Company
 1100 Louisiana, Suite 2000
 Houston, TX 77002

Phone: 1-(713) 830-6800

TO: (New Operator):

N6965-Forest Oil Corporation
 707 17th St, Suite 3600
 Denver, CO 80202

Phone: 1 (303) 812-1755

CA No.

Unit:

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 7/30/2007
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 7/30/2007
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 7/31/2007
- a. Is the new operator registered in the State of Utah: Business Number: 571171-0143
- b. If **NO**, the operator was contacted on: _____
- a. (R649-9-2) Waste Management Plan has been received on: IN PLACE
- b. Inspections of LA PA state/fee well sites complete on: _____
- c. Reports current for Production/Disposition & Sundries on: YES
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA
- Federal and Indian Units:**
 The BLM or BIA has approved the successor of unit operator for wells listed on: n/a
- Federal and Indian Communization Agreements ("CA"):**
 The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 7/31/2007
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 7/31/2007
- Bond information entered in RBDMS on: 7/31/2007
- Fee/State wells attached to bond in RBDMS on: 7/31/2007
- Injection Projects to new operator in RBDMS on: n/a
- Receipt of Acceptance of Drilling Procedures for APD/New on: pending

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: 6236351
- Indian well(s) covered by Bond Number: n/a
- a. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 6218963
- b. The **FORMER** operator has requested a release of liability from their bond on: not yet

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 8/1/2007

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:

See Attached List

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

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1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☐

OTHER _____

8. WELL NAME and NUMBER:

See Attached List

2. NAME OF OPERATOR:

Forest Oil Corporation

9. API NUMBER:

various

3. ADDRESS OF OPERATOR:

707 17th Street, #3600

CITY

Denver,

STATE

CO

ZIP

80202

PHONE NUMBER:

(303) 812-1755

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See attached list

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Change of Operator</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

N2525


Effective 6/1/2007 please change the operator for the attached list of Utah wells from The Houston Exploration Company N-2525 to Forest Oil Corporation (N-6965). Forest merged with The Houston Exploration Company, a copy of the merger document is attached.. The contract operated wells will continue to be contract operated by Enduring.

Forest Oil Corporation as new operator, accepts all applicable terms, conditions, stipulations and restrictions concerning approved operations conducted on the lease or portion of the lease described.

Forest Oil Corporation meets the State of Utah bonding requirements under Safeco bond #6218963.

Please send all future correspondence to Forest Oil Corporation at the above listed address.

Forest Oil Corporation, 707 17th Street, Suite #3600, Denver, CO 80202


J. C. Ridens, Senior Vice President - Western Region

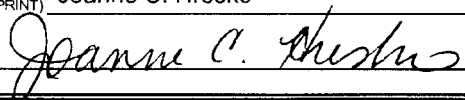
7-5-07

Date

NAME (PLEASE PRINT) Joanne C. Hresko

TITLE Vice President & General Mgr. - Northern Division

SIGNATURE



DATE

7-5-07

(This space for State use only)

APPROVED 7/13/07



(5/2000)

Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

No wells in APD status or
at New status
at this time

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JUL 30 2007

DIV OF OIL, GAS & MINING

wmp

well_name	sec	tpw	rng	api	entity	lease	well	stat	flag	unit	qtr_qtr	l_num	op no
FEDERAL 28-01	28	080S	250E	4304730098	10095	Federal	GW	S			SESE	UTU-016257	N2525
CONOCO STATE 32-2	32	080S	250E	4304730100	10096	State	GW	S			NENE	ML-11124	N2525
ROCK HOUSE 11-31	31	100S	230E	4304733312	13984	Federal	GW	P			NESW	UTU-76281	N2525
BONANZA 4B-12	12	090S	230E	4304733806	14593	Federal	D	PA			NWNW	UTU-74426	N2525
WALKER HOLLOW 13-31	31	060S	230E	4304735039		Federal	GW	LA			SESW	UTU-76280	N2525
ROCK HOUSE 6D-32	32	100S	230E	4304735409	14293	State	GW	S			SENE	ML-47063	N2525
BONANZA 2B-16	16	090S	240E	4304735694	14186	State	D	PA			NWNE	ML-46526	N2525
ROCK HOUSE 2D-36	36	100S	220E	4304735759	14357	State	GW	P			NWNE	ML-47061	N2525
ROCK HOUSE 2D-32	32	100S	230E	4304735760	14317	State	GW	S			NWNE	ML-47063	N2525
ROCK HOUSE 10D-32	32	100S	230E	4304735761	14318	State	GW	S			NWSE	ML-47063	N2525
ROCK HOUSE 12D-32	32	100S	230E	4304735762	14294	State	GW	P			NWSW	ML-47063	N2525
ROCK HOUSE 11-36	36	100S	220E	4304735900	14478	State	GW	P			NESW	ML-46907	N2525
ROCK HOUSE 4-36	36	100S	220E	4304735901	14449	State	GW	S			NWNW	ML42061	N2525
BONANZA 12A-22	22	090S	240E	4304735922	14520	Federal	D	PA			NWSW	UTU-78118	N2525
BONANZA 14-16	16	090S	240E	4304735941	14521	State	D	PA			SESW	ML-46526	N2525
ROCK HOUSE 11-2	02	110S	230E	4304736153	14695	State	GW	P	C		NESW	ML-47078	N2525
ROCK HOUSE 7-32-10-23	32	100S	230E	4304736306	14766	State	GW	S			SWNE	ML-47063	N2525
ROCK HOUSE 3-32-10-23	32	100S	230E	4304736307	14781	State	GW	P			NENW	ML-47063	N2525
ROCK HOUSE 5-32-10-23	32	100S	230E	4304736410	14727	State	GW	S			SWNW	ML-47063	N2525
GUSHER 6-2	02	060S	190E	4304736963		State	OW	LA			SENE	ML-49144	N2525
N HORSESHOE 3-16-6-21	16	060S	210E	4304737391	15716	State	GW	DRL	C		NENW	ML-49317	N2525
N HORSESHOE 12-7-6-22	07	060S	220E	4304737392		State	GW	LA			NWSW	ML-47969	N2525
N HORSESHOE 16-9-6-22	09	060S	220E	4304737393		State	GW	LA			SESE	ML-47969	N2525
N HORSESHOE 14-10-6-22	10	060S	220E	4304737394		State	GW	LA			SESW	ML-47969	N2525
N HORSESHOE 2-15-6-22	15	060S	220E	4304737395		State	GW	LA			NWNE	ML-47969	N2525
N HORSESHOE 4-15-6-22	15	060S	220E	4304737396		State	GW	LA			NWNW	ML-47969	N2525
N WALKER HOLLOW 12-32-6-23	32	060S	230E	4304737397		State	GW	LA			NWSW	ML-47777	N2525
N WALKER HOLLOW 16-32-6-23	32	060S	230E	4304737398		State	GW	LA			SESE	ML-47777	N2525
N WALKER HOLLOW 2-32-6-23	32	060S	230E	4304737399	15741	State	GW	DRL	C		NWNE	ML-47777	N2525
N WALKER HOLLOW 10-32-6-23	32	060S	230E	4304737400		State	GW	LA			NWSE	ML-47777	N2525
N WALKER HOLLOW 8-32-6-23	32	060S	230E	4304737401		State	GW	LA			SENE	ML-47777	N2525
N WALKER HOLLOW 11-36-6-23	36	060S	230E	4304737462		State	GW	LA			NESW	ML-47970	N2525
N WALKER HOLLOW 13-36-6-23	36	060S	230E	4304737463		State	GW	LA			SWSW	ML-47970	N2525
N WALKER HOLLOW 15-36-6-23	36	060S	230E	4304737464		State	GW	LA			SWSE	ML-47970	N2525
N WALKER HOLLOW 14-32-6-23	32	060S	230E	4304737478		State	GW	LA			SESW	ML-47777	N2525
HACKING RES 11-32-8-25	32	080S	250E	4304737479		State	GW	LA			NESW	ML-11124	N2525
HACKING RES 3-32-8-25	32	080S	250E	4304737480		State	GW	LA			NENW	ML-11124	N2525
HACKING RES 5-32-8-25	32	080S	250E	4304737481		State	GW	LA			SWNW	ML-11124	N2525
HACKING RES 15-32-8-25	32	080S	250E	4304737482		State	GW	LA			SWSE	ML-11124	N2525
HACKING RES 9-32-8-25	32	080S	250E	4304737483		State	GW	LA			NESE	ML-11124	N2525
HACKING RESERVOIR 7-32-8-25	32	080S	250E	4304737571	15885	State	GW	DRL	C		SWNE	ML-11124	N2525

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER _____

2. NAME OF OPERATOR:
Forest Oil Corporation

3. ADDRESS OF OPERATOR:
707 17th St. Suite 3600 CITY Denver STATE CO ZIP 80202

PHONE NUMBER:
(303) 812-1676

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2367' FSL & 1595' FEL

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 32 10S 23E

STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:
ML-47063

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:
Rock House 10D-32

9. API NUMBER:
4304735761

10. FIELD AND POOL, OR WILDCAT:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Facility Repairs
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Facility Repairs

8-3-2009 - MIRU Exterrann Production Service, shut down dehy, disassemble, wash out, reassemble, refill w/glycol, warm up & return to service.

NAME (PLEASE PRINT) Kelly Harris TITLE Regulatory Tech
SIGNATURE *Kelly Harris* DATE 8/17/2009

(This space for State use only)

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AUG 24 2009

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

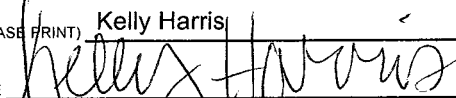
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47063
2. NAME OF OPERATOR: Forest Oil Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 707 17th St. Ste 3600 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (303) 812-1676		8. WELL NAME and NUMBER: Rock House 10D-32
4. LOCATION OF WELL FOOTAGES AT SURFACE: 932' FNL & 2291' FEL		9. API NUMBER: 4304735761
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 32 10 23		10. FIELD AND POOL, OR WILDCAT: Wildcat
COUNTY: Uintah		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 7/1/2009	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Weed Control</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Forest Oil Corporation would respectfully like to let you know that Pride Weed Control came out on 7/1/2009 and applied 30 Gallons of weed control spray at 2:34. Please see attached invoice that covers all of the wells listed, along with a copy of the Pesticide Application Report.

NAME (PLEASE PRINT) <u>Kelly Harris</u>	TITLE <u>Regulatory Tech</u>
SIGNATURE 	DATE <u>2/18/2010</u>

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Pride Weed Control, Inc.

8100 Hwy 550
Durango CO 81303

Invoice

Date	Invoice #
7/8/2009	13710

Bill To
Forest Oil Corporation

Service Location
Bare Ground Weed Control

		P.O. No.	Terms	Due Date
			2% 10 Net 30	8/7/2009
Item	Description	Quantity	Rate	Amount
4.3	Bare Ground Vegetation Management: By Production Unit		1,922.50	1,922.50T
Mojave 70 EG	EPA 74477-9-81927	22.4	5.00%	0.00
				96.13
Commercial applicators are licensed by the Colorado Department of Agriculture				
Phone #	Fax #	E-mail		Total \$2,018.63
(970) 247-9778	(970) 385-0967	pwc@animas.net		

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FEB 24 2010
DIV. OF OIL, GAS & MINING

FEB 24 2000

FOREST OIL BARE GROUND INVOICE #13710 July 8, 2009
PRIDE WEED CONTROL, INC.

[illegible]

BUREAU OF LAND MANAGEMENT
PESTICIDE APPLICATION REPORT

BLM Field Office: VERNAL, UT

Date: SEPTEMBER 30, 2009

Applicator Information:

1. Office Address: Pride Weed Control, Inc. 8100 Hwy 550 Durango, CO 81303
 - a. Phone Number: 970-247-9778
 - b. Project Name: Various Oil and Gas Facilities for Forest Oil
 - c. Pesticide Use Proposal Number: _____
2. Name of Applicator or Employee(s) Applying the Pesticide: Pride Weed Control, Inc.
3. Date(s) of Application (month, day, year): Various
4. Time of Application: Various
5. Location of Application: Various (see attached)
6. Type of Equipment Used: Truck mounted sprayer – handgun
7. Pesticide(s) Used:
 - a. Company or Manufacturer Name: ALLIGARE LLC
 - b. Trade Name: MOJAVE
 - c. Type of Formula: DISPERSABLE GRANUAL
8. Rate of Application Used (active ingredient per acre): 10 LBS / ACRE

Total amount of pesticide used: 24 LBS

Total amount of active ingredient used: 1.8672 LBS of Imazapyr and
14.9328 lbs of diuron
9. Total Area Treated: 3 Acres
10. Primary Pest(s) Involved: ALL VEGETATION

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DIV. OF OIL, GAS & MINING

11. Stage of Pest Development: Various

12. Weather Conditions: Variable

13. Monitoring Record (if insufficient space-continue on back):

*This record if required by law and must completed except for monitoring within
24 hours after completion of application of pesticides. This record must be
maintained for a minimum of 10 years.

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United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, UT 84078

(435) 781-4400 Fax: (435) 781-4410

REFER TO: 9015 (UT-933)

TO: Mr. Clay W. Grant
Forest Oil Corporation
916 Upland Way
Green River WY 82935

Mr. George Thompson
Pride Weed Control
8100 Hwy 550
Durango CO 81303

FROM: Clayton Newberry, Minerals Dept Botanist
USDI Bureau of Land Management, Vernal Field Office

SUBJECT: PUP No. 09-LLUTG01000-17

Dear Mr. Grant and Mr. Thompson:

Your Pesticide Use Proposal (09-LLUTG01000-17) has been approved, with modifications and clarifications, by State Office in Salt Lake City. I have included a copy of the letter from State Office.

I have also included a Pesticide Application Record Form (PARF). Please send a copy of the PARF to your pesticide applicator. Instruct him that he should fill out a separate PARF every time he applies pesticide, one PARF per general area of application; and to submit all completed PARFs to our office every year by 01 November. I have included a completed PARF as a sample, to show how it should be filled out.

In addition, when submitting Pesticide Use Proposals from now on, please use the most current form posted on the Vernal BLM web page at the following URL:
http://www.blm.gov/style/medialib/blm/ut/vernal_fo/energy.Par.91962.File.dat/BLANK%20PUP%20FORM.pdf.

If you have any questions or need clarification, contact me by office phone at 435-781-3404 or by e-mail at Clayton_Newberry@blm.gov.

I wish you well in your operations in areas administered by Vernal Field Office.

Respectfully,

Clayton Newberry

Enclosures: PUP approval letter
Pesticide Application Record Form
sample completed Pesticide Application Record Form

Rock House File

10 August 2009

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FEB 24 2010

DIV. OF OIL, GAS & MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov/ut/st/en.html>



IN REPLY
9015

REFER TO:

(UT-933)

BUREAU OF LAND MGMT. VERNAL, UT-4

ALL EMPLOYEES

JUL 29 2009

Memorandum

To: Vernal Field Manager

From: Deputy State Director, Natural Resources

Subject: Pesticide Use Proposal Approvals

BLM VERNAL, UTAH

Your Pesticide Use Proposal (PUP) LLUTG01000 -17 with eleven herbicide formulations (eight active ingredients: Glyphosate, Dicamba, Triclopyr+Clopyralid, Metsulfuron Methyl, 2,4-D, Imazapyr+Diuron) and two adjuvants (surfactant and dye) is approved with one modification, shown below and on the PUP. The objective of these treatments is for bare ground control to improve worker safety and reduce fire hazards around oil and gas facilities and equipment. This PUP is approved for a period of one year from the date of approval, approximately July 31, 2010.

Modification: Items #10 and #11 Mojave 70EG and Sahara DG: The recommended use rate is ≤ 10 lbs/acre in a < 15 " rainfall zone. The proposed intended use rate of 10-12 lbs/acre is slightly higher. UTSO requests that the operator adhere to the recommendation guidelines in the label and limit applications to 10 lbs/ac/yr. If for some unforeseen reason this rate does not provide adequate control, this may be negotiated with the FO weed specialist to a maximum of 12/lbs/ac/yr after the first year, and approved in writing (notated on the original PUP).

Also, for future PUP submissions, it is requested that the Field Office submit the information on a single form rather than duplicate information on multiple forms. Invariably data does not match and it creates extra work to correct both forms. Additionally, herbicide labels should be included in future PUP submissions.

The Green River District is in the process of updating its Weed Management Plan and associated environmental analysis. As part of that process, field office staff is consulting with US Fish and Wildlife Service (USFWS) with regard to Threatened and Endangered Species (TES) and identifying appropriate standard operating procedures and mitigation measures, including treatment buffers, for the use of herbicides in or near potential habitat for TES plant species. This process is expected to be completed in 2010. In the interim, as a result of communication with USFWS, PUP approvals will be for a period of one year and the current conservation measures and prescribed buffers for surface disturbing activities in TES habitat will be utilized.

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DIV. OF OIL, GAS & MINING

Treatments will be made in accordance with the pesticide label, this PUP and Approval Memo, the current Decision Notice and Environmental Documents (UT-08-03-73, Rev. 3/25/85 and applicable Environmental Assessments for related APD's and pipeline development) and the Vegetation Treatments Using Herbicides PEIS 2007 (as directed by IM-2008-030). Treatments are required to be made by or under the direct supervision of a certified licensed applicator.

Prior to treatments, all sites should obtain sensitive species clearances. Continue to work with Vernal Field Office staff and representatives from USFWS to address TES plant concerns and implement appropriate mitigations and conservation measures, including buffers for surface disturbance as provided in informal and formal consultation. Additionally, applicators are strongly encouraged to take extra precautions with respect to drift control: assessing wind conditions, following label directions, and adjusting equipment and droplet size as much as practical to minimize drift potential. EA No. UT-08-73/Rev 03/25/85 specifies that spray application should not be done when wind speeds exceed 6 miles per hour or heavy rainfall or other adverse weather conditions exist, in addition to other applicable mitigation measures.

Please follow the label and MSDS directions for personal protective equipment, which generally includes long sleeved shirt and pants, shoes and socks, chemical resistant gloves, and protective eyewear. BLM handbook 9011 – 1 also strongly recommends the use of coveralls.

It is the responsibility of Forest Oil, its contractors, and the Vernal Field Office to monitor herbicide application to be sure that the approved PUP is followed and that Pesticide Application Records are completed within 24 hours after application of the pesticide and maintained in the office records for 10 years. Please coordinate efforts to ensure this documentation is provided to the FO in a timely manner.

If you have questions, please contact Lisa Bryant at (801) 539-4069 or Verlin Smith at (801) 539-4055.

Attachments

PUP No. 09-LLUTG010000-17

Herbicide Labels: Round-up Pro, Rifle, Redeem R&P, Cruise Control, Prescott Herbicide, MSM 60, 2,4-D Low Vol 6, Escort XP, Glyphosate 4 Plus, Mojave, Sahara DG

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FEB 24 2010

DIV. OF OIL, GAS & MINING

U.S. DEPARTMENT OF INTERIOR
PESTICIDE USE PROPOSAL

EA NUMBER: UT - 08-73 / REV. 3/25/85

STATE: UT

COUNTY: Uintah

FIELD OFFICE: Vernal

DURATION OF PROPOSAL: *One* 3 Years

LOCATION: Various gas and oil well locations, compressor and pumping facilities, pipeline rights-of-way.

Attach map(s) and/or a list of sites * (Sites Listed)

ORIGINATOR - NAME: Clay Grant

ORIGINATOR - COMPANY: Forest Oil Corporation

ORIGINATOR - CONTACT INFORMATION: 916 Upland Way Green River, WY 82935

Include address and phone number (307) 875-1964 off. (307) 875-1967 fax (303) 406-1627 cell

DATE:

PROPOSAL NUMBER:

EA REFERENCE NUMBER:

DECISION RECORD (DR) NUMBER:

I. APPLICATION SITE DESCRIPTION:

1. ESTIMATED NUMBER OF ACRES: 70
2. GENERAL DESCRIPTION (Describe land type or use, size, stage of growth of target species, soil characteristics, and any additional information that may be important in describing the area to be treated.)

Previously leveled areas for the construction of roads, gas and oil well locations, reclaimed pits and pipeline rights-of-way, access roads.

II. DESIRED RESULTS OF APPLICATION: (List the anticipated results of the treatment, species that will be controlled or removed, or enhanced, etc.):

Bare ground and control if noxious species.

III. SENSITIVE ASPECTS AND PRECAUTIONS: (Describe sensitive areas - marsh, endangered, threatened, candidate, and sensitive species habitat - and distance to application site. List measures to be taken to avoid impact to these areas):

Spraying will be halted when winds present a danger of drift and damage to off-target species.

IV. NON-TARGET VEGETATION (Describe potential immediate and cumulative impacts to non-target pests in project area as a result of the pesticide application. Identify any planned mitigation measures that will be employed - BE GENERAL, SPECIFICS DISCUSSED IN THE EA):

None

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FEB 24 2010

DIV. OF OIL, GAS & MINING

V. INTEGRATED PEST MANAGEMENT PRACTICES CONSIDERED IN THE OVERALL PROJECT:

Spraying only

VI. Please submit the product labels (or copies of the product labels) and MSD Sheets along with this PUP.

Use the following tables to indicate which products will be used. The row number should be consistent throughout Tables 1, 2, 3 & 4 (i.e., row 1 in Table 1 should correspond to row 1 in Tables 2, 3 & 4). Add more rows if needed for additional products. Use Table 5 for adjuvants. You may fill this out electronically or print it, fill it out by hand and mail it in—but if your handwriting is illegible, this PUP will be returned without action.

1. PESTICIDES (row numbers in Table 1 should correspond to row numbers in Tables 2, 3 & 4)						
Row No.	TRADE NAME	COMMON NAME	EPA REG. No.	MANUFACTURER	FORMULATION (liquid or granule)	APPLICATION METHOD
1	Round-Up Pro	Glyphosate	524-475	Monsanto	liquid	backpack spray
2	Rifle	Dicamba	34704-861	Loveland Products	Liquid	Handgun, truck, tractor, ATV mounted booms
3	Redeem R&P	Triclopyr plus clopyralid	62719-337	Dow Agroscience	Liquid	Handgun, truck, tractor, ATV mounted booms
4	Cruise Control	Dicamba	42750-40-81927	Alligare	Liquid	Handgun, truck, tractor, ATV mounted booms
5	Prescott Herbicide	Triclopyr plus clopyralid	81927-30	Alligare	Liquid	Handgun, truck, tractor, ATV mounted booms
6	MSM 60	Metsulfuron Methyl	81927-7	Alligare	Granule	Handgun, truck, tractor, ATV mounted booms
7	2,4-D Low Vol 6	2,4-D	34704-125	Loveland Products	Liquid	Handgun, truck, tractor, ATV mounted booms
8	Escort XP	Metsulfuron Methyl	352-439	Dupont	Granular	Handgun, truck, tractor, ATV mounted booms
9	Glyphosate 4 plus	Glyphosate	81927-9	Alligare	Liquid	Handgun, truck, tractor, ATV mounted booms
10	Mojave 70 EG	Imazapyr plus Diuron	74477-9-81927	Alligare	Granular	Handgun, truck, tractor, ATV mounted booms
11	Sahara DG	Imazapyr plus Diuron	241-372	BASF	Granular	Handgun, truck, tractor, ATV mounted booms

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2. MAXIMUM APPLICATION RATE ACCORDING TO PRODUCT LABEL
(row numbers correspond to Table 1)

Row No.	TRADE NAME	APPLICATION RATE ON PRODUCT LABEL	POUNDS ACTIVE INGREDIENT PER ACRE	POUNDS ACID EQUIVALENT (AE) PER ACRE (IF GIVEN)
1	Round-Up Pro	10.6 qts / acre / yr	10.6 Lbs / acre / yr	7.95 Lbs / acre / yr
2	Rifle	2 qt / acre/yr	2 lbs / acre / yr	2 lbs / acre / yr
3	Redeem R&P	4 pts / acre / yr	1.125 Lbs ae triclopyr and .375 ae clopyralid / acre / yr	1.125 Lbs triclopyr .375 Lbs clopyralid / acre / yr
4	Cruise Control	2 qt / acre/yr	2 lbs / acre / yr	2 lbs / acre / yr
5	Prescott Herbicide	Up to 4 pts / acre / yr	1.125 Lbs ae triclopyr and .375 ae clopyralid / acre / yr	1.125 Lbs triclopyr .375 Lbs clopyralid / acre / yr
6	MSM 60	2 oz / acre / yr	1.2 oz / acre / yr	N/A
7	2,4-D Low Vol 6	5 1/3 pts / acre	3.73 Lbs ae / acre	3.73 Lbs / acre / yr
8	Escort XP	2 oz / acre / yr	1.2 oz / acre / yr	N/A
9	Glyphosate 4 plus	2 Gals / acre / yr	8 Lbs / acre / yr	6 Lbs / acre / yr
10	Mojave 70 EG	13 Lbs / acre / yr	Imazapyr 1.245 Lbs / acre / yr Diuron 8.09 Lbs / acre / yr	N/A
11	Sahara DG	13 Lbs / acre / yr	Imazapyr 1.245 Lbs / acre / yr Diuron 8.09 Lbs / acre / yr	N/A

2007 UELS
Max Rate
ae/acre
7.0 lbs ae/ae
(9.3 qts produ
2.0 lbs ae
10 lbs T ae
1 lb C ae
2.0 lbs ae
10 lbs T ae
1 lb C ae
1.5 lbs ai
1.9 lbs ae
1.5 lbs ai
7.0 lbs ae/ae
(9.3 qts produ
1.5 lbs ai
20 lbs ai
1.5 lbs ai
20 lbs ai

3. INTENDED APPLICATION RATE (rows correspond to Table 1)

Row No.	TRADE NAME	INTENDED APPLICATION RATE	INTENDED POUNDS ACTIVE INGREDIENT PER ACRE	INTENDED POUNDS ACID EQUIVALENT PER ACRE
1	Round-Up Pro	Up to 2 qts / acre / yr	Up to 2 Lbs	Up to 1.5 Lbs
2	Rifle	Up to 2 pts / acre / yr	Up to 1 lb	Up to 1 lb
3	Redeem R&P	Up to 4 pts / acre / yr	Up to 1.125 lb ae triclopyr; .375 lb ae clopyralid	Up to 1.125 lb ae triclopyr; .375 lb ae clopyralid
4	Cruise Control	Up to 2 pts / acre / yr	Up to 1 lb	Up to 1 lb
5	Prescott Herbicide	Up to 4 pts / acre / yr	Up to 1.125 lb ae triclopyr; .375 lb ae clopyralid	Up to 1.125 lb ae triclopyr; .375 lb ae clopyralid
6	MSM 60	Up to 1 oz / acre / yr	Up to .0375 Lbs / acre / yr	N/A
7	2,4-D Low Vol 6	Up to 2 2/3 pts./acre/yr	Up to 1.85 Lbs / acre / yr	Up to 1.85 Lbs
8	Escort XP	Up to 1 oz / acre / yr	Up to .0375 Lbs / acre / yr	N/A
9	Glyphosate 4 plus	Up to 1 Gal / acre / yr	Up to 4 Lbs / acre / yr	Up to 3 Lbs
10	Mojave 70 EG	Up to 12 Lbs / acre / yr	Up to 7.47 Lbs / acre /yr Diuron Imazapyr .93 Lbs / acre / yr	N/A * see mod.
11	Sahara DG	Up to 12 Lbs / acre / yr	Up to 7.47 Lbs / acre /yr Diuron Imazapyr .93 Lbs / acre / yr	N/A * see mod.

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3

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4. PESTICIDE TIMING & TARGET (rows correspond to Table 1)

Row No.	TRADE NAME	TREATMENT DATE	NUMBER OF TREATMENTS	TARGET WEED
1	Round-Up Pro	15 Apr - 30 Oct	1-2 per year, as needed	All Vegetation
2	Rifle	Various Dates	1 application / yr	Canada Thistle, Musk Thistle, Houndstongue, Black Henbane, Russian and Spotted Knapweed
3	Redeem R&P	Various Dated	1 application / yr	Canada Thistle, Musk Thistle, Houndstongue, Black Henbane, Russian and Spotted Knapweed
4	Cruise Control	Various Dates	1 application / yr	Canada Thistle, Musk Thistle, Houndstongue, Black Henbane, Russian and Spotted Knapweed
5	Prescott Herbicide	Various Dates	1 application / yr	Canada Thistle, Musk Thistle, Houndstongue, Black Henbane, Russian Knapweed, and Spotted Knapweed
6	MSM 60	Various Dates	1 application / yr	Halogeton, Whitetop, Perennial Pepperweed
7	2,4-D Low Vol 6	Various Dates	1 application / yr	Halogeton
8	Escort XP	Various Dates	1 application / yr	Whitetop, Halogeton, Black Henbane, Perennial Pepperweed, Russian Knapweed
9	Glyphosate 4 plus	Various Dates	1 application / yr	All Vegetation
10	Mojave 70 EG	Various Dates	1 application / yr	All vegetation
11	Sahara DG	Various Dates	1 application / yr	All vegetation

5. ADJUVANTS (COLORANTS, DILUENTS, MARKERS, SURFACTANTS, ETC)

TRADE NAME	TYPE	MANUFACTURER	APPLICATION RATE ON PRODUCT LABEL	INTENDED APP. RATE	FOR USE WITH WHICH HERBICIDES?
Hi-Light	colorant	Becker Underwood	16 oz / 100 Gal solution	16 oz / 100 Gal	Mohave 70 EG, Sahara DG, Glyphosate 4 Plus, Round Up Pro
Activator 90	surfactant	Loveland Products	4 pts / 100 Gal solution	4 pts / 100 Gal	Rifle, Redeem, Cruise Control, Prescott Herbicide, MSM 60, 2,4-D low vol 6, Escort XP

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VII. The following must be filled out legibly and signed by the Applicator and Originator. If ~~it is not filled out~~ **DIV. OF OIL, GAS & MINING** in any way illegible, this PUP will be returned to the Originator without action.

"Applicator" refers to the company which will apply the pesticide e.g., Joe's Weed Killers, LLC. "Originator" refers to the company which originates this herbicide use request e.g., Cus R Us, Inc.

Applicator company name: Pride Weed Control, Inc.

Applicator contact name: George Thompson

Applicator contact phone number: 970-247-9778

Applicator address: 8100 Hwy 550 Durango CO 81303

Pesticide applicator signature: *George Thompson*

Pesticide applicator printed name: George Thompson

Pesticide applicator license no.: 4001-14068 Exp. Date: 12/31/2011

I will ensure that the pesticide(s) and pesticide products will be applied in accordance with product label restrictions and according to the information presented above, and according to BLM modifications (if any). I will also ensure that Pesticide Use Application Records and Pesticide Use Reports will be submitted to the BLM Rawlins Field Office monthly for the duration of this PUP.

Originator signature: *[Signature]* Date: 5/6/2009

Printed / typed name: CLAY W. GRANT SR. Production Foreman

To be signed and approved by BLM personnel:

FO Pesticide Coordinator signature: *[Signature]* Date: 4 Jun 2009

FO Manager approval: *William H. [Signature]* Date: 6/4/09

State Coordinator signature: *Sue Bryant* Date: 7/28/09

Deputy State Director approval: *[Signature]* Date: 7/28/09

☐ APPROVED

☐ DISAPPROVED

☒ APPROVED WITH MODIFICATIONS (see below):

Modifications:

Recommended use rates for Mojave 70EG > Sahara DG in <15" prec zone is <10 lbs/acre/yr. Operator should adhere to label recommendations unless they can show inadequate control. In such an instance a rate of up to 12 lbs product/acre may be negotiated in writing with FO weed special. attached to this PUP.

Row No.	TRADE NAME	TREATMENT DATE	NUMBER OF TREATMENTS	TARGET WEED
1	Round-Up Pro	15 Apr - 30 Oct	1-2 applications per year, as needed	all vegetation
2	Rifle	various dates	1 application per year	Canada thistle, musk thistle, houndstongue, black henbane, Russian knapweed, spotted knapweed
3	Redeem R&P	various dates	1 application per year	Canada thistle, musk thistle, houndstongue, black henbane, Russian knapweed, spotted knapweed
4	Cruise Control	various dates	1 application per year	Canada thistle, musk thistle, houndstongue, black henbane, Russian knapweed, spotted knapweed
5	Prescott	various dates	1 application per year	Canada thistle, musk thistle, houndstongue, black henbane, Russian knapweed, spotted knapweed
6	MSM 60	various dates	1 application per year	halogeton, whitetop, perennial pepperweed
7	2,4-D Low Vol 6	various dates	1 application per year	halogeton
8	Escort XP	various dates	1 application per year	black henbane, perennial pepperweed, Russian knapweed, whitetop, halogeton
9	Glyphosate 4 Plus	various dates	1 application per year	all vegetation
10	Mojave 70 EG	various dates	1 application per year	all vegetation
11	Sahara DG	various dates	1 application per year	all vegetation

5. ADJUVANTS (COLORANTS, DILUENTS, MARKERS, SURFACTANTS, ETC)					
TRADE NAME	ADJUVANT TYPE	MANUFACTURER	APPLICATION RATE ON PRODUCT LABEL	INTENDED APPLICATION RATE	FOR USE WITH WHICH HERBICIDES?
Hi-Light	colorant	Becker Underwood	16 oz / 100 Gal solution	16 oz / 100 Gal	Mojave 70 EG, Sahara DG, Glyphosate 4 Plus, Round-Up Pro
Activator 90	surfactant	Loveland	4 pts / 100 Gal solution	4 pts / 100 Gal	Rifle, Redeem R&P, Cruise Control, Prescott, MSM 60, 2,4-D Low Vol 6, Escort XP

The following must be filled out legibly and signed. If your handwriting is in any way illegible, this PUP will be returned to the sender without action.

"Originator" refers to the company which needs herbicides applied—e.g., Basin Oil, Inc.
 "Applicator" refers to the company which will apply the herbicide—e.g., Basin Annihilo-Weed, Inc.

Originator company: Forest Oil Corporation

Originator contact name: Clay Grant

Originator contact phone number(s): 307-875-1964 cell 303-406-1627 fax 307-875-1967

Originator mailing address: 916 Upland Way, Green River WY 82935

Applicator company name: Pride Weed Control, Inc.

Applicator name: George Thompson

Applicator license no.: 4001-14068 exp. 12/31/2011

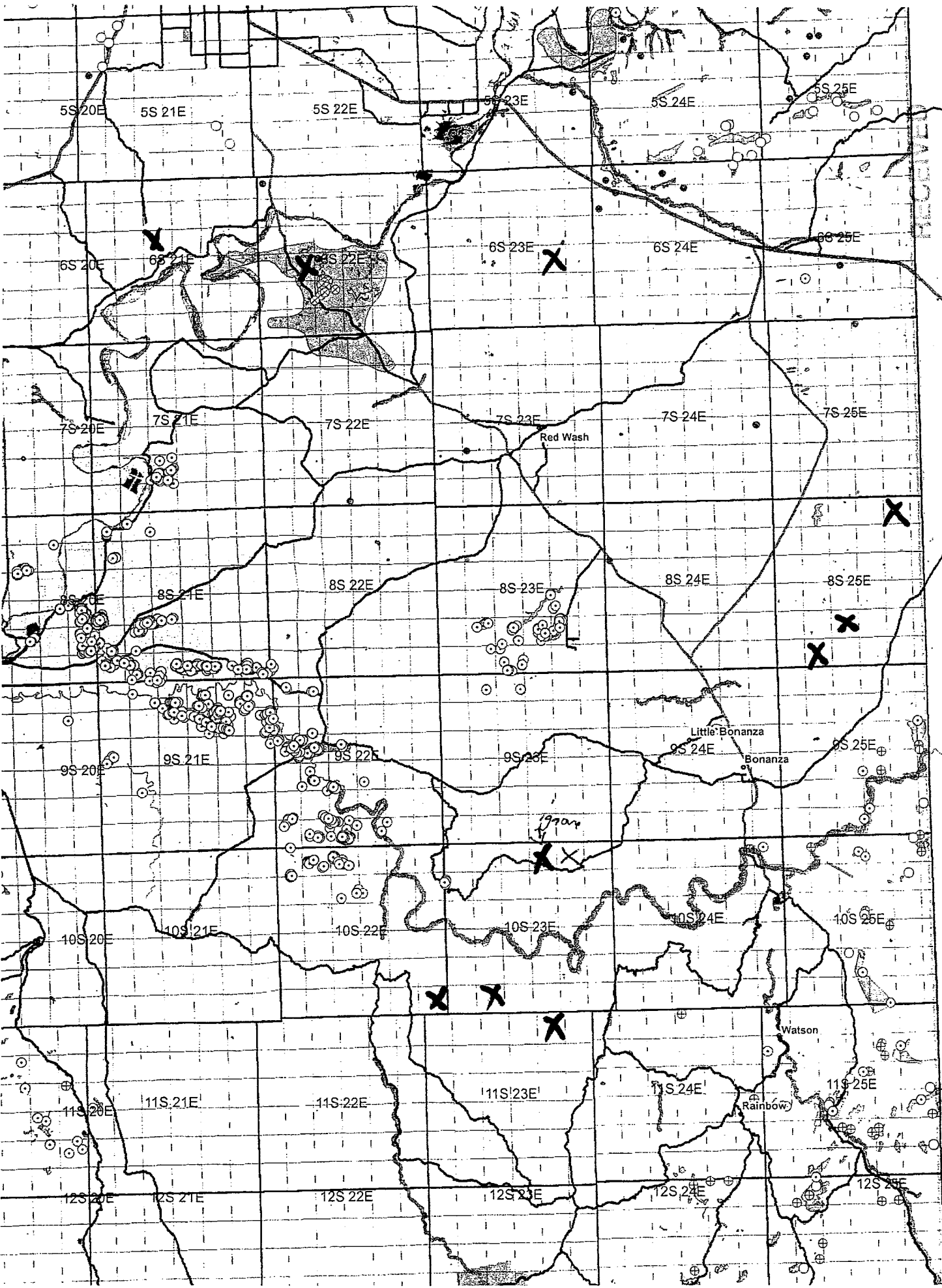
Applicator phone & fax numbers: phone 970-247-9778

Applicator mailing address: 8100 Hwy 550, Durango, CO 81303

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FEB 24 2010

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L1-105477-60

FEB 27 2010

Quad #

Phone #

Slide Photo

[illegible]

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PESTICIDE (WEED) APPLICATION RECORD FORM

BLM-Vernal, 170 South 500 East Phone (435) 781-4400

DIV. OF OIL, GAS & MINING

Weed Management Area Clay Basin or Company Name

Site Name Clay Basin #12

Veg (Com.) Type Sagebrush

Weed Site SL045051

Quad #

Complex

%

Applicator John Smith

Watershed: Red Creek

Address

Allotment

License No. xyz123

Phone # 123.456.7891

Quad Name(s)

County: Daggett

Location T. 3N , R. 24E , Sec. 31 , SW ¼ NW ¼

Aerial Photo #

GPS Reading

Slide Photo

Weed Species	Phenology	Cover Class	Pattern	Infest. Size	Eco Site	APPLICATION DATA
					Name	Rate/Ac. Vol: 0.334 gallons/acre
					Condition	Active/Ac.: 1.8 lbs/acre
					Soil Map Unit #	Total Vol.: (1.8 lbs ac X 28.81 acres = 51.85 lbs ac/acre) 51.85 lbs ac/acre
Canada thistle	2	2	2	2	WEATHER	Ac. Treated: 28.81 acres
Musk thistle	3	1	3	1	Wind speed: 4 mph	Acre on site
					Direction: south	MECHANICAL TREATMENT (circle one)
					Temp: 85	Hand pull, hand tool
					PEST TREATMENT (circle one)	Plow, other
					Veg. site treated - crop, seeded, native, roadside, agriculture, reservoir bank, oil well, other	Biological Treatment
						Bio Agent
					WEED TREATMENT DATA	Method applied
					Date 8/15/07	Monitoring
Recovery Species					Time 3:22 p	
					EQUIPMENT TYPE (circle one)	Original Acres
					Power Boom, Power hand	Follow-up
					Backpack, ATV	Photo point
					Aerial	Photo #
					TREATMENT METHOD (circle one)	Veg Study
					Pesticide, Mechanical, Biological	Frequency, Cover, Step point
					Trade Name: 2,4-d 6# Low Vol	Site Recovery Needs
Width Track					Active Ingredient: 2,4-D	Grazing deferment yn
Weed Ac. Est.					Company Name: Platte Chemical Co	Vegetative seed yn
Ac. Inventoried					EPA Reg. No. 34704-125	Method seed
Site Characteristics					PUP No. 07-UT-080-12	Hand broadcast, Spreader ATV, Drill, Disc, Other
					FORMULATION (circle one)	
Elevation					Liquid, Powder, Granular	Acres Rehabed
Aspect (direction)						Species seeded
Slope (%)						Date
Topography						Species established
Ridge, Upper Slope						Date
Midslope, Lower slope						
Bench/Flat, Stream Bottom						
Meadow						
Comments						

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FEB 24 2010

PESTICIDE (WEED) APPLICATION RECORD FORM

BLM-Vernal, 170 South 500 East Phone (435) 781-4400

DIV. OF OIL, GAS & MINING

Weed Management Area Clay Basin or Company Name

Site Name Clay Basin #12

Veg (Com.) Type Sagebrush

Weed Site SL045051

Quad #

Complex

%

Applicator John Smith

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					Direction: south	MECHANICAL TREATMENT (circle one)
					Temp: 85	Hand pull, hand tool
					PEST TREATMENT (circle one)	Plow, other
					Veg. site treated - crop, seeded, native, roadside, agriculture, reservoir bank, oil well, other	Biological Treatment
						Bio Agent
					WEED TREATMENT DATA	Method applied
					Date 8/15/07	Monitoring
Recovery Species					Time 3:22 p	
					EQUIPMENT TYPE (circle one)	Original Acres
					Power Boom, Power hand	Follow-up
					Backpack, ATV	Photo point
					Aerial	Photo #
					TREATMENT METHOD (circle one)	Veg Study
					Pesticide, Mechanical, Biological	Frequency, Cover, Step point
					Trade Name: 2,4-d 6# Low Vol	Site Recovery Needs
Width Track					Active Ingredient: 2,4-D	Grazing deferment yn
Weed Ac. Est.					Company Name: Platte Chemical Co	Vegetative seed yn
Ac. Inventoried					EPA Reg. No. 34704-125	Method seed
Site Characteristics					PUP No. 07-UT-080-12	Hand broadcast, Spreader ATV, Drill, Disc, Other
					FORMULATION (circle one)	
Elevation					Liquid, Powder, Granular	Acres Rehabed
Aspect (direction)						Species seeded
Slope (%)						Date
Topography						Species established
Ridge, Upper Slope						Date
Midslope, Lower slope						
Bench/Flat, Stream Bottom						
Meadow						
Comments						

COVER CLASS - estimated percent cover, by species, of the infestation

- 0 No weeds found
- 1 Less than 1% (trace)
- 2 One to five percent (low - occasional plants)
- 3 Six to twenty-five percent (moderate - scattered plants)
- 4 Twenty-five to 100% (high - fairly dense)

PATTERN - pattern of the infestation

- 0 No weeds found
- 1 Single plant or small area of many plants
- 2 Linear
- 3 Patchy
- 4 Block

INFESTATION SIZE - number of estimated acres of the infestation

- 0 No weeds found
- 1 Less than one acre
- 2 One to five acres
- 3 Five or more acres

PHENOLOGY - development stage

- 1 Vegetative
- 2 Bud stage
- 3 Flower
- 4 Seeded
- 5 Mature
- 6 Dormant

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

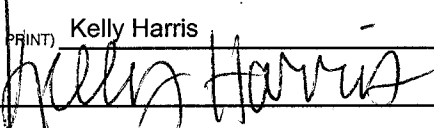
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47063
2. NAME OF OPERATOR: Forest Oil Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 707 17th Street, Ste 3600 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 932' FNL & 2291' FEL		8. WELL NAME and NUMBER: Rock House 10D-32
PHONE NUMBER: (303) 812-1676		9. API NUMBER: 4304735761
10. FIELD AND POOL, OR WILDCAT: Wildcat		
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 32 10 23		COUNTY: Uintah
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 7/2/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Weed Control
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Forest Oil Corporation would respectfully like to let you know that Pride Weed Control came out and applied Noxious weed control on 7/2/2009 at 12:58. Please see attached invoice that covers all of the wells that are listed on the attached spreadsheet, along with a copy of the Pesticide Application Report.

NAME (PLEASE PRINT) Kelly Harris	TITLE Regulatory Tech
SIGNATURE 	DATE 3/17/2010

(This space for State use only)

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DIV. OF OIL, GAS & MINING

Pride Weed Control, Inc.

8100 Hwy 550
Durango CO 81303

Invoice

Date	Invoice #
7/8/2009	13709

Bill To
Forest Oil Corporation

Service Location
Noxious Weed Control

P.O. No.	Terms	Due Date
	2% 10 Net 30	8/7/2009

Item	Description	Quantity	Rate	Amount
2.3 Rifle 2, 4-D LV 6#	Noxious Weed control by Acre Pints: EPA Reg #42750-40-34704 Gallons EPA Reg#34704-12	27.5 27.39 6.85	157.50 5.00%	4,331.25T 0.00 0.00 216.56
Commercial applicators are licensed by the Colorado Department of Agriculture				
Phone #	Fax #	E-mail	Total \$4,547.81	
(970) 247-9778	(970) 385-0967	pwc@animas.net		

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MAR 23 2010
DIV. OF OIL, GAS & MINING

Forest Oil Noxious Invoice #13709 July 8, 2009

PRIDE WEED CONTROL, INC.

BLOCK	NAME	NO	LOCATION	LEASE	DATE	TIME	ACRES	OZ	NET	TAXABLE	TAX EXEMPT	TAX EXEMPT CHG	TAX CHG	CHARGES	TAX	TOTAL
10-22	Rock House	4-36	NWNW 36, 10, 22	ML-42061	7/2/2009	4:15	3.94	157.7	3.94	3.94	0	\$0.00	\$620.55	\$620.55	\$31.03	\$651.58
10-23	Rock House	05-32-10-23	SWNE 32, 10, 23	ML-47063	7/1/2009	1:09	2.64	126.9	2.64	2.64	0	\$0.00	\$415.80	\$415.80	\$20.79	\$436.59
10-23	Rock House	7-32-10-23	SWNE 32, 10, 23	ML-47063	7/2/2009	1:45	1.42	63.5	1.42	1.42	0	\$0.00	\$223.65	\$223.65	\$11.18	\$234.83
10-23	Rock House	10D-32	NWSE 32, 10, 23	ML-47063	7/2/2009	12:58	1.82	87.5	1.82	1.82	0	\$0.00	\$286.65	\$286.65	\$14.33	\$300.98
11-23	Rock House (11-02)	11-23-23-02	NESW 2, 11, 23	ML-47078	7/2/2009	11:30	1.7	80.5	1.7	1.7	0	\$0.00	\$267.75	\$267.75	\$13.39	\$281.14
10-23	Rock House	11-31	NESW 31, 10, 23	UTU-76281	7/2/2009	2:18	2.23	107.2	2.23	2.23	0	\$0.00	\$351.23	\$351.23	\$17.56	\$368.79
10-23	Rock House	11-36	NESW 36, 10, 22	ML-42061	7/2/2009	3:30	1.44	108.5	1.44	1.44	0	\$0.00	\$226.80	\$226.80	\$11.34	\$238.14
10-23	Rock House	12D-32	NWSW 32, 10, 23	ML-47063	7/1/2009	1:05	2.92	140	2.92	2.92	0	\$0.00	\$459.90	\$459.90	\$23.00	\$482.90
10-23	Rock House	2D-32	NWNE 32, 10, 23	ML-47063	7/2/2009	12:58	1.42	63.5	1.42	1.42	0	\$0.00	\$223.65	\$223.65	\$11.18	\$234.83
10-23	Rock House	2D-36	NWNE 36, 10, 22	ML-42061	7/2/2009	3:18	3.07	150.8	3.07	3.07	0	\$0.00	\$483.53	\$483.53	\$24.18	\$507.70
10-23	Rock House	3-32-10-23	NENW 32, 10, 23	ML-41063	7/1/2009	1:50	2.81	135.5	2.81	2.81	0	\$0.00	\$442.58	\$442.58	\$22.13	\$464.70
10-23	Rock House	6D-32	SENEW 32, 10, 23	ML-47063	7/1/2009	1:20	2.09	92.8	2.09	2.09	0	\$0.00	\$329.18	\$329.18	\$16.46	\$345.63
							27.5	1314.4	27.5	27.5	0	\$0.00	\$4,331.27	\$4,331.27	\$216.57	\$4,547.81

BUREAU OF LAND MANAGEMENT
PESTICIDE APPLICATION REPORT

BLM Field Office: VERNAL, UT

Date: SEPTEMBER 30, 2009

Applicator Information:

1. Office Address: Pride Weed Control, Inc. 8100 Hwy 550 Durango, CO 81303
 - a. Phone Number: 970-247-9778
 - b. Project Name: Various Oil and Gas Facilities for Forest Oil
 - c. Pesticide Use Proposal Number: _____
2. Name of Applicator or Employee(s) Applying the Pesticide: Pride Weed Control, Inc.
3. Date(s) of Application (month, day, year): Various
4. Time of Application: Various
5. Location of Application: Various (see attached)
6. Type of Equipment Used: Truck mounted sprayer – handgun
7. Pesticide(s) Used:
 - a. Company or Manufacturer Name: ALLIGARE LLC
 - b. Trade Name: MOJAVE
 - c. Type of Formula: DISPERSABLE GRANULAR
8. Rate of Application Used (active ingredient per acre): 10 LBS / ACRE

Total amount of pesticide used: 24 LBS

Total amount of active ingredient used: 1.8672 LBS of Imazapyr and
14.9328 lbs of diuron
9. Total Area Treated: 3 Acres
10. Primary Pest(s) Involved: ALL VEGETATION

RECEIVED

MAR 23 2010

DIV. OF OIL, GAS & MINING

11. Stage of Pest Development: Various

12. Weather Conditions: Variable

13. Monitoring Record (if insufficient space-continue on back):

*This record if required by law and must completed except for monitoring within
24 hours after completion of application of pesticides. This record must be
maintained for a minimum of 10 years.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal Field Office
170 South 500 East
Vernal, UT 84078
(435) 781-4400 Fax: (435) 781-4410

REFER TO: 9015 (UT-933)

TO: Mr. Clay W. Grant
Forest Oil Corporation
916 Upland Way
Green River WY 82935

Mr. George Thompson
Pride Weed Control
8100 Hwy 550
Durango CO 81303

FROM: Clayton Newberry, Minerals Dept Botanist
USDI Bureau of Land Management, Vernal Field Office

SUBJECT: PUP No. 09-LLUTG01000-17

Dear Mr. Grant and Mr. Thompson:

Your Pesticide Use Proposal (09-LLUTG01000-17) has been approved, with modifications and clarifications, by State Office in Salt Lake City. I have included a copy of the letter from State Office.

I have also included a Pesticide Application Record Form (PARF). Please send a copy of the PARF to your pesticide applicator. Instruct him that he should fill out a separate PARF every time he applies pesticide, one PARF per general area of application; and to submit all completed PARFs to our office every year by 01 November. I have included a completed PARF as a sample, to show how it should be filled out.

In addition, when submitting Pesticide Use Proposals from now on, please use the most current form posted on the Vernal BLM web page at the following URL:
http://www.blm.gov/style/medialib/blm/ut/vernal_fo/energy.Par.91962.File.dat/BLANK%20PUP%20FORM.pdf.

If you have any questions or need clarification, contact me by office phone at 435-781-3404 or by e-mail at Clayton_Newberry@blm.gov.

I wish you well in your operations in areas administered by Vernal Field Office.

Respectfully,

Clayton Newberry

Enclosures: PUP approval letter
Pesticide Application Record Form
sample completed Pesticide Application Record Form

Rock House File

10 August 2009

RECEIVED

MAR 23 2010

DIV. OF OIL, GAS & MINING



United States Department of the Interior

Services

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov/ut/st/en.html>



IN REPLY REFER TO:
9015 (UT-933)

BUREAU OF LAND MGMT. VERNAL UT-4

ALL EMPLOYEES

JUL 29 2009

Memorandum

To: Vernal Field Manager

From: Deputy State Director, Natural Resources

Subject: Pesticide Use Proposal Approvals

BLM VERNAL, UTAH

Your Pesticide Use Proposal (PUP) LLUTG01000 -17 with eleven herbicide formulations (eight active ingredients: Glyphosate, Dicamba, Triclopyr+Clopyralid, Metsulfuron Methyl, 2,4-D, Imazapyr+Diuron) and two adjuvants (surfactant and dye) is approved with one modification, shown below and on the PUP. The objective of these treatments is for bare ground control to improve worker safety and reduce fire hazards around oil and gas facilities and equipment. This PUP is approved for a period of one year from the date of approval, approximately July 31, 2010.

Modification: Items #10 and #11 Mojave 70EG and Sahara DG: The recommended use rate is ≤ 10 lbs/acre in a $< 15''$ rainfall zone. The proposed intended use rate of 10-12 lbs/acre is slightly higher. UTISO requests that the operator adhere to the recommendation guidelines in the label and limit applications to 10 lbs/ac/yr. If for some unforeseen reason this rate does not provide adequate control, this may be negotiated with the FO weed specialist to a maximum of 12/lbs/ac/yr after the first year, and approved in writing (notated on the original PUP).

Also, for future PUP submissions, it is requested that the Field Office submit the information on a single form rather than duplicate information on multiple forms. Invariably data does not match and it creates extra work to correct both forms. Additionally, herbicide labels should be included in future PUP submissions.

The Green River District is in the process of updating its Weed Management Plan and associated environmental analysis. As part of that process, field office staff is consulting with US Fish and Wildlife Service (USFWS) with regard to Threatened and Endangered Species (TES) and identifying appropriate standard operating procedures and mitigation measures, including treatment buffers, for the use of herbicides in or near potential habitat for TES plant species. This process is expected to be completed in 2010. In the interim, as a result of communication with USFWS, PUP approvals will be for a period of one year and the current conservation measures and prescribed buffers for surface disturbing activities in TES habitat will be utilized.

Treatments will be made in accordance with the pesticide label, this PUP and Approval Memo, the current Decision Notice and Environmental Documents (UT-08-03-73, Rev. 3/25/85 and applicable Environmental Assessments for related APD's and pipeline development) and the Vegetation Treatments Using Herbicides PEIS 2007 (as directed by IM-2008-030). Treatments are required to be made by or under the direct supervision of a certified licensed applicator.

Prior to treatments, all sites should obtain sensitive species clearances. Continue to work with Vernal Field Office staff and representatives from USFWS to address TES plant concerns and implement appropriate mitigations and conservation measures, including buffers for surface disturbance as provided in informal and formal consultation. Additionally, applicators are strongly encouraged to take extra precautions with respect to drift control: assessing wind conditions, following label directions, and adjusting equipment and droplet size as much as practical to minimize drift potential. EA No. UT-08-73/Rev 03/25/85 specifies that spray application should not be done when wind speeds exceed 6 miles per hour or heavy rainfall or other adverse weather conditions exist, in addition to other applicable mitigation measures.

Please follow the label and MSDS directions for personal protective equipment, which generally includes long sleeved shirt and pants, shoes and socks, chemical resistant gloves, and protective eyewear. BLM handbook 9011 – 1 also strongly recommends the use of coveralls.

It is the responsibility of Forest Oil, its contractors, and the Vernal Field Office to monitor herbicide application to be sure that the approved PUP is followed and that Pesticide Application Records are completed within 24 hours after application of the pesticide and maintained in the office records for 10 years. Please coordinate efforts to ensure this documentation is provided to the FO in a timely manner.

If you have questions, please contact Lisa Bryant at (801) 539-4069 or Verlin Smith at (801) 539-4055.

Verlin Smith

Attachments

PUP No. 09-LLUTG010000-17

Herbicide Labels: Round-up Pro, Rifle, Redeem R&P, Cruise Control, Prescott Herbicide, MSM 60, 2,4-D Low Vol 6, Escort XP, Glyphosate 4 Plus, Mojave, Sahara DG

U.S. DEPARTMENT OF INTERIOR
PESTICIDE USE PROPOSAL

EA NUMBER: UT - 08-73 / REV. 3/25/85

STATE: UT

COUNTY: Uintah

FIELD OFFICE: Vernal

DURATION OF PROPOSAL: ^{One} 3 Years

LOCATION: Various gas and oil well locations, compressor and pumping facilities, pipeline rights-of-way.

DATE:

PROPOSAL NUMBER:

EA REFERENCE NUMBER:

DECISION RECORD (DR) NUMBER:

Attach map(s) and/or a list of sites * (Sites Listed)

ORIGINATOR - NAME: Clay Grant

ORIGINATOR - COMPANY: Forest Oil Corporation

ORIGINATOR - CONTACT INFORMATION: 916 Upland Way Green River, WY 82935

Include address and phone number (307) 875-1964 off. (307) 875-1967 fax (303) 406-1627 cell

I. APPLICATION SITE DESCRIPTION:

1. ESTIMATED NUMBER OF ACRES: 70
2. GENERAL DESCRIPTION (Describe land type or use, size, stage of growth of target species, soil characteristics, and any additional information that may be important in describing the area to be treated.)

Previously leveled areas for the construction of roads, gas and oil well locations, reclaimed pits and pipeline rights-of-way, access roads.

II. DESIRED RESULTS OF APPLICATION: (List the anticipated results of the treatment, species that will be controlled or removed, or enhanced, etc.):

Bare ground and control of noxious species.

III. SENSITIVE ASPECTS AND PRECAUTIONS: (Describe sensitive areas - marsh, endangered, threatened, candidate, and sensitive species habitat - and distance to application site. List measures to be taken to avoid impact to these areas):

Spraying will be halted when winds present a danger of drift and damage to off-target species.

IV. NON-TARGET VEGETATION (Describe potential immediate and cumulative impacts to non-target pests in project area as a result of the pesticide application. Identify any planned mitigation measures that will be employed - BE GENERAL, SPECIFICS DISCUSSED IN THE EA):

None

V. INTEGRATED PEST MANAGEMENT PRACTICES CONSIDERED IN THE OVERALL PROJECT:

Spraying only

VI. Please submit the product labels (or copies of the product labels) and MSD Sheets along with this PUP.

Use the following tables to indicate which products will be used. The row number should be consistent throughout Tables 1, 2, 3 & 4 (i.e., row 1 in Table 1 should correspond to row 1 in Tables 2, 3 & 4). Add more rows if needed for additional products. Use Table 5 for adjuvants. You may fill this out electronically or print it, fill it out by hand and mail it in—but if your handwriting is illegible, this PUP will be returned without action.

1. PESTICIDES (row numbers in Table 1 should correspond to row numbers in Tables 2, 3 & 4)						
Row No.	TRADE NAME	COMMON NAME	EPA REG. No.	MANUFACTURER	FORMULATION (liquid or granule)	APPLICATION METHOD
1	Round-Up Pro	Glyphosate	524-475	Monsanto	liquid	backpack spray
2	Rifle	Dicamba	34704-861	Loveland Products	Liquid	Handgun, truck, tractor, ATV mounted booms
3	Redeem R&P	Triclopyr plus clopyralid	62719-337	Dow Agroscience	Liquid	Handgun, truck, tractor, ATV mounted booms
4	Cruise Control	Dicamba	42750-40-81927	Alligare	Liquid	Handgun, truck, tractor, ATV mounted booms
5	Prescott Herbicide	Triclopyr plus clopyralid	81927-30	Alligare	Liquid	Handgun, truck, tractor, ATV mounted booms
6	MSM 60	Metsulfuron Methyl	81927-7	Alligare	Granule	Handgun, truck, tractor, ATV mounted booms
7	2,4-D Low Vol 6	2,4-D	34704-125	Loveland Products	Liquid	Handgun, truck, tractor, ATV mounted booms
8	Escort XP	Metsulfuron Methyl	352-439	Dupont	Granular	Handgun, truck, tractor, ATV mounted booms
9	Glyphosate 4 plus	Glyphosate	81927-9	Alligare	Liquid	Handgun, truck, tractor, ATV mounted booms
10	Mojave 70 EG	Imazapyr plus Diuron	74477-9-81927	Alligare	Granular	Handgun, truck, tractor, ATV mounted booms
11	Sahara DG	Imazapyr plus Diuron	241-372	BASF	Granular	Handgun, truck, tractor, ATV mounted booms

2. MAXIMUM APPLICATION RATE ACCORDING TO PRODUCT LABEL (row numbers correspond to Table 1)				
Row No.	TRADE NAME	APPLICATION RATE ON PRODUCT LABEL	POUNDS ACTIVE INGREDIENT PER ACRE	POUNDS ACID EQUIVALENT (AE) PER ACRE (IF GIVEN)
1	Round-Up Pro	10.6 qts / acre / yr	10.6 Lbs / acre / yr	7.95 Lbs / acre / yr
2	Rifle	2 qt / acre/yr	2 lbs / acre / yr	2 lbs / acre / yr
3	Redeem R&P	4 pts / acre / yr	1.125 Lbs ae triclopyr and .375 ae clopyralid / acre / yr	1.125 Lbs triclopyr .375 Lbs clopyralid / acre / yr
4	Cruise Control	2 qt / acre/yr	2 lbs / acre / yr	2 lbs / acre / yr
5	Prescott Herbicide	Up to 4 pts / acre / yr	1.125 Lbs ae triclopyr and .375 ae clopyralid / acre / yr	1.125 Lbs triclopyr .375 Lbs clopyralid / acre / yr
6	MSM 60	2 oz / acre / yr	1.2 oz / acre / yr	N/A
7	2,4-D Low Vol 6	5 1/3 pts / acre	3.73 Lbs ae / acre	3.73 Lbs / acre / yr
8	Escort XP	2 oz / acre / yr	1.2 oz / acre / yr	N/A
9	Glyphosate 4 plus	2 Gals / acre / yr	8 Lbs / acre / yr	6 Lbs / acre / yr
10	Mojave 70 EG	13 Lbs / acre / yr	Imazapyr 1.245 Lbs / acre / yr Diuron 8.09 Lbs / acre / yr	N/A
11	Sahara DG	13 Lbs / acre / yr	Imazapyr 1.245 Lbs / acre / yr Diuron 8.09 Lbs / acre / yr	N/A

2007 VELS
Max Rate
ae/acre/yr

7.0 lbs ae/ae
(9.3 qts produ)

2.0 lbs ae

10 lbs T ae

1 lb C ae

2.0 lbs ae

10 lbs T ae

1 lb C ae

1.5 lbs ai

1.9 lbs ae

1.5 lbs ai

7.0 lbs ae/ae

(9.3 qts produ)

1.5 lbs ai

2.0 lbs ai

1.5 lbs ai

2.0 lbs ai

1.5 lbs ai

2.0 lbs ai

1.5 lbs ai

2.0 lbs ai

3. INTENDED APPLICATION RATE (rows correspond to Table 1)				
Row No.	TRADE NAME	INTENDED APPLICATION RATE	INTENDED POUNDS ACTIVE INGREDIENT PER ACRE	INTENDED POUNDS ACID EQUIVALENT PER ACRE
1	Round-Up Pro	Up to 2 qts / acre / yr	Up to 2 Lbs	Up to 1.5 Lbs
2	Rifle	Up to 2 pts / acre / yr	Up to 1 lb	Up to 1 lb
3	Redeem R&P	Up to 4 pts / acre / yr	Up to 1.125 lb ae triclopyr; .375 lb ae clopyralid	Up to 1.125 lb ae triclopyr; .375 lb ae clopyralid
4	Cruise Control	Up to 2 pts / acre / yr	Up to 1 lb	Up to 1 lb
5	Prescott Herbicide	Up to 4 pts / acre / yr	Up to 1.125 lb ae triclopyr; .375 lb ae clopyralid	Up to 1.125 lb ae triclopyr; .375 lb ae clopyralid
6	MSM 60	Up to 1 oz / acre / yr	Up to .0375 Lbs / acre / yr	N/A
7	2,4-D Low Vol 6	Up to 2 2/3 pts./acre/yr	Up to 1.85 Lbs / acre / yr	Up to 1.85 Lbs
8	Escort XP	Up to 1 oz / acre / yr	Up to .0375 Lbs / acre / yr	N/A
9	Glyphosate 4 plus	Up to 1 Gal / acre / yr	Up to 4 Lbs / acre / yr	Up to 3 Lbs
10	Mojave 70 EG	Up to 12 Lbs / acre / yr	Up to 7.47 Lbs / acre / yr Diuron Imazapyr .93 Lbs / acre / yr	N/A * see mod.
11	Sahara DG	Up to 12 Lbs / acre / yr	Up to 7.47 Lbs / acre / yr Diuron Imazapyr .93 Lbs / acre / yr	N/A * see mod.

4. PESTICIDE TIMING & TARGET (rows correspond to Table 1)				
Row No.	TRADE NAME	TREATMENT DATE	NUMBER OF TREATMENTS	TARGET WEED
1	Round-Up Pro	15 Apr - 30 Oct	1-2 per year, as needed	All Vegetation
2	Rifle	Various Dates	1 application / yr	Canada Thistle, Musk Thistle, Houndstongue, Black Henbane, Russian and Spotted Knapweed
3	Redeem R&P	Various Dated	1 application / yr	Canada Thistle, Musk Thistle, Houndstongue, Black Henbane, Russian and Spotted Knapweed
4	Cruise Control	Various Dates	1 application / yr	Canada Thistle, Musk Thistle, Houndstongue, Black Henbane, Russian and Spotted Knapweed
5	Prescott Herbicide	Various Dates	1 application / yr	Canada Thistle, Musk Thistle, Houndstongue, Black Henbane, Russian Knapweed, and Spotted Knapweed
6	MSM 60	Various Dates	1 application / yr	Halogeton, Whitetop, Perennial Pepperweed
7	2,4-D Low Vol 6	Various Dates	1 application / yr	Halogeton
8	Escort XP	Various Dates	1 application / yr	Whitetop, Halogeton, Black Henbane, Perennial Pepperweed, Russian Knapweed
9	Glyphosate 4 plus	Various Dates	1 application / yr	All Vegetation
10	Mojave 70 EG	Various Dates	1 application / yr	All vegetation
11	Sahara DG	Various Dates	1 application / yr	All vegetation

5. ADJUVANTS (COLORANTS, DILUENTS, MARKERS, SURFACTANTS, ETC)					
TRADE NAME	TYPE	MANUFACTURER	APPLICATION RATE ON PRODUCT LABEL	INTENDED APP.RATE	FOR USE WITH WHICH HERBICIDES?
Hi-Light	colorant	Becker Underwood	16 oz / 100 Gal solution	16 oz / 100 Gal	Mohave 70 EG, Sahara DG, Glyphosate 4 Plus, Round Up Pro
Activator 90	surfactant	Loveland Products	4 pts / 100 Gal solution	4 pts / 100 Gal	Rifle, Redeem, Cruise Control, Prescott Herbicide, MSM 60, 2,4-D low vol 6, Escort XP

VII. The following must be filled out legibly and signed by the Applicator and Originator. If your handwriting is in any way illegible, this PUP will be returned to the Originator without action.

"Applicator" refers to the company which will apply the pesticide e.g., Joe's Weed Killer's, LLC "Originator" refers to the company which originates this herbicide use request e.g., Gas R Us, Inc.

Applicator company name: Pride Weed Control, Inc.

Applicator contact name: George Thompson

Applicator contact phone number: 970-247-9778

Applicator address: 8100 Hwy 550 Durango CO 81303

Pesticide applicator signature: *George Thompson*

Pesticide applicator printed name: George Thompson

Pesticide applicator license no.: 4001-14068

Exp. Date: 12/31/2011

I will ensure that the pesticide(s) and pesticide products will be applied in accordance with product label restrictions and according to the information presented above, and according to BLM modifications (if any). I will also ensure that Pesticide Use Application Records and Pesticide Use Reports will be submitted to the BLM Rawlins Field Office monthly for the duration of this PUP.

Originator signature: *[Signature]*

Date: 5/6/2009

Printed / typed name: CLAY W. GRANT

SR. Production Foreman

To be signed and approved by BLM personnel:

FO Pesticide Coordinator signature: *[Signature]*

Date: 4 JUN 2009

FO Manager approval: *William Hume*

Date: 6/14/09

State Coordinator signature: *Lisa Bryant*

Date: 7/28/09

Deputy State Director approval: *[Signature]*

Date: 7/29/09

☐ APPROVED

☐ DISAPPROVED

☒ APPROVED WITH MODIFICATIONS (see below):

Modifications:

Recommended use rates for Mojave 70E6 & Sahara DG in <15" precy zone is <10 lbs/acre/yr. Operator should adhere to label recommendations, unless they can show inadequate control. In such an instance a rate of up to 12 lbs product/acre may be negotiated in writing w/ FO weed specialist attached to this PUP.

1. PESTICIDES (row numbers in Table 1 should correspond to same row numbers in Tables 2, 3 & 4)						
Row No.	TRADE NAME	COMMON NAME	EPA REG. No.	MANUFACTURER	FORMULATION (liquid or granule)	APPLICATION METHOD
1	Round-Up Pro	glyphosate	524-475	Monsanto	liquid	backpack spray
2	Rifle	dicamba	34704-861	Loveland	liquid	hndgn, trctr, trk, ATV
3	Redeem R&P	triclopyr + clopyralid	62719-337	Dow	liquid	hndgn, trctr, trk, ATV
4	Cruise Control	dicamba	42750-40-81927	Alligare	liquid	hndgn, trctr, trk, ATV
5	Prescott	triclopyr + clopyralid	81927-30	Alligare	liquid	hndgn, trctr, trk, ATV
6	MSM 60	metsulfuron methyl	81927-7	Alligare	dry granular	hndgn, trctr, trk, ATV
7	Low Vol 6	2,4-D	34704-125	Loveland	liquid	hndgn, trctr, trk, ATV
8	Escort XP	metsulfuron methyl	352-439	DuPont	dry granular	hndgn, trctr, trk, ATV
9	Glyphosate 4 Plus	glyphosate	81927-9	Alligare	liquid	hndgn, trctr, trk, ATV
10	Mojave 70 EG	imazapyr + diuron	34477-9-81927	Alligare	dry granular	hndgn, trctr, trk, ATV
11	Sahara DG	imazapyr + diuron	241-372	BASF	dry granular	hndgn, trctr, trk, ATV

2. APPLICATION RATE ACCORDING TO PRODUCT LABEL (rows correspond to rows in Table 1)				
Row No.	TRADE NAME	MAXIMUM ALLOWABLE APPLICATION RATE ON PRODUCT LABEL	RATE PER ACRE RECOMMENDED ON PRODUCT LABEL	for liquid formulations only: POUNDS ACID EQUIVALENT (AE) PER ACRE
1	Round-Up Pro	(p.2) 10.6 qts / acre	(p. 8) 1 - 2 qts / acre	0.75 - 1.5 Lbs AE / acre
2	Rifle	(p.10) 2 qts / acre	(p.10-11) 1 - 2 qts / acre	1 - 2 Lbs AE / acre
3	Redeem R&P	(p.7) 4 pts / acre	(p.7) 3 - 4 pts / acre	0.844 - 1.125 Lbs AE / acre triclopyr 0.28 - 0.375 Lbs AE / acre clopyralid
4	Cruise Control	(p.7) 2 qts / acre	(p.8) 1 - 2 qts / acre	1 - 2 Lbs AE / acre
5	Prescott	(p.3) 4 pts / acre	(p.4) 3 - 4 pts / acre	0.844 - 1.125 Lbs AE / acre triclopyr 0.28 - 0.375 Lbs AE / acre clopyralid
6	MSM 60	(p.3) 2 oz / acre	1 - 2 oz / acre	NA
7	2,4-D Low Vol 6	(p.4) 5.33 pts / acre	(p.4) 2.67 - 5.33 pts / acre	1.87 - 3.73 Lbs AE / acre
8	Escort XP	(p.3) 4 oz / acre	(p. 5) 0.5 - 2.0 oz / acre	NA
9	Glyphosate 4 Plus	(p.14) 10 Gal / acre	(p.14) 3 - 10 Gal / acre	12 - 40 Lbs AE / acre
10	Mojave 70 EG	(p.5) 13 Lbs / acre	(p.4) 7 - 10 Lbs / acre	NA
11	Sahara DG	(p.4) 13 Lbs / acre	(p.4) 7 - 13 Lbs / acre	NA

3. INTENDED APPLICATION RATE (rows correspond to rows in Table 1)					
Row No.	TRADE NAME	INTENDED APPLICATION RATE	for dry formulations only: INTENDED POUNDS ACTIVE INGREDIENT / ACRE	for liquid formulation only: INTENDED POUNDS ACID EQUIVALENT / ACRE	for office use only: VEIS RATE / ACRE (AE, AI, or formulated product)
1	Round-Up Pro	2 qts / acre	NA	1.5 Lbs AE / acre	7.0 Lbs AE / acre
2	Rifle	2 pts / acre	NA	1.0 Lbs AE / acre	2.0 Lbs AE / acre
3	Redeem R&P	4 pts / acre	NA	1.125 Lbs AE / acre triclopyr .375 Lbs AE / acre clopyralid	10.0 Lbs AE / acre triclopyr 1.0 lbs AE / acre clopyralid
4	Cruise Control	2 pts / acre	NA	1.0 Lbs AE / acre	2.0 Lbs AE / acre
5	Prescott	4 pts / acre	NA	1.125 Lbs AE / acre triclopyr .375 Lbs AE / acre clopyralid	10.0 Lbs AE / acre triclopyr 1.0 lbs AE / acre clopyralid
6	MSM 60	1 oz / acre	0.0375 Lbs AI / acre	NA	0.15 Lbs AI / acre
7	2,4-D Low Vol 6	2.67 pts / acre	NA	1.85 Lbs AE / acre	1.9 Lbs AE / acre
8	Escort XP	1 oz / acre	0.0375 Lbs AI / acre	NA	0.15 Lbs AI / acre
9	Glyphosate 4 Plus	1 Gal / acre	NA	3 Lbs AE / acre	7.0 Lbs AE / acre
10	Mojave 70 EG	12 Lbs / acre	7.47 Lbs AI / acre diuron 0.93 Lbs AI / acre imazapyr	NA	20.0 Lbs AI / acre diuron 1.5 Lbs AI / acre imazapyr
11	Sahara DG	12 Lbs / acre	7.47 Lbs AI / acre diuron 0.93 Lbs AI / acre imazapyr	NA	20.0 Lbs AI / acre diuron 1.5 Lbs AI / acre imazapyr

4. PESTICIDE TIMING & TARGET (rows correspond to rows in Table 1)

Row No.	TRADE NAME	TREATMENT DATE	NUMBER OF TREATMENTS	TARGET WEED
1	Round-Up Pro	15 Apr – 30 Oct	1-2 applications per year, as needed	all vegetation
2	Rifle	various dates	1 application per year	Canada thistle, musk thistle, houndstongue, black henbane, Russian knapweed, spotted knapweed
3	Redeem R&P	various dates	1 application per year	Canada thistle, musk thistle, houndstongue, black henbane, Russian knapweed, spotted knapweed
4	Cruise Control	various dates	1 application per year	Canada thistle, musk thistle, houndstongue, black henbane, Russian knapweed, spotted knapweed
5	Prescott	various dates	1 application per year	Canada thistle, musk thistle, houndstongue, black henbane, Russian knapweed, spotted knapweed
6	MSM 60	various dates	1 application per year	halogeton, whitetop, perennial pepperweed
7	2,4-D Low Vol 6	various dates	1 application per year	halogeton
8	Escort XP	various dates	1 application per year	black henbane, perennial pepperweed, Russian knapweed, whitetop, halogeton
9	Glyphosate 4 Plus	various dates	1 application per year	all vegetation
10	Mojave 70 EG	various dates	1 application per year	all vegetation
11	Sahara DG	various dates	1 application per year	all vegetation

5. ADJUVANTS (COLORANTS, DILUENTS, MARKERS, SURFACTANTS, ETC)

TRADE NAME	ADJUVANT TYPE	MANUFACTURER	APPLICATION RATE ON PRODUCT LABEL	INTENDED APPLICATION RATE	FOR USE WITH WHICH HERBICIDES?
Hi-Light	colorant	Becker Underwood	16 oz / 100 Gal solution	16 oz / 100 Gal	Mojave 70 EG, Sahara DG, Glyphosate 4 Plus, Round-Up Pro
Activator 90	surfactant	Loveland	4 pts / 100 Gal solution	4 pts / 100 Gal	Rifle, Redeem R&P, Cruise Control, Prescott, MSM 60, 2,4-D Low Vol 6, Escort XP

The following must be filled out legibly and signed. If your handwriting is in any way illegible, this PUP will be returned to the sender without action.

"Originator" refers to the company which needs herbicides applied—e.g., Basin Oil, Inc.

"Applicator" refers to the company which will apply the herbicide—e.g., Basin Annihilo-Weed, Inc.

Originator company: Forest Oil Corporation

Originator contact name: Clay Grant

Originator contact phone number(s): 307-875-1964 cell 303-406-1627 fax 307-875-1967

Originator mailing address: 916 Upland Wav, Green River WY 82935

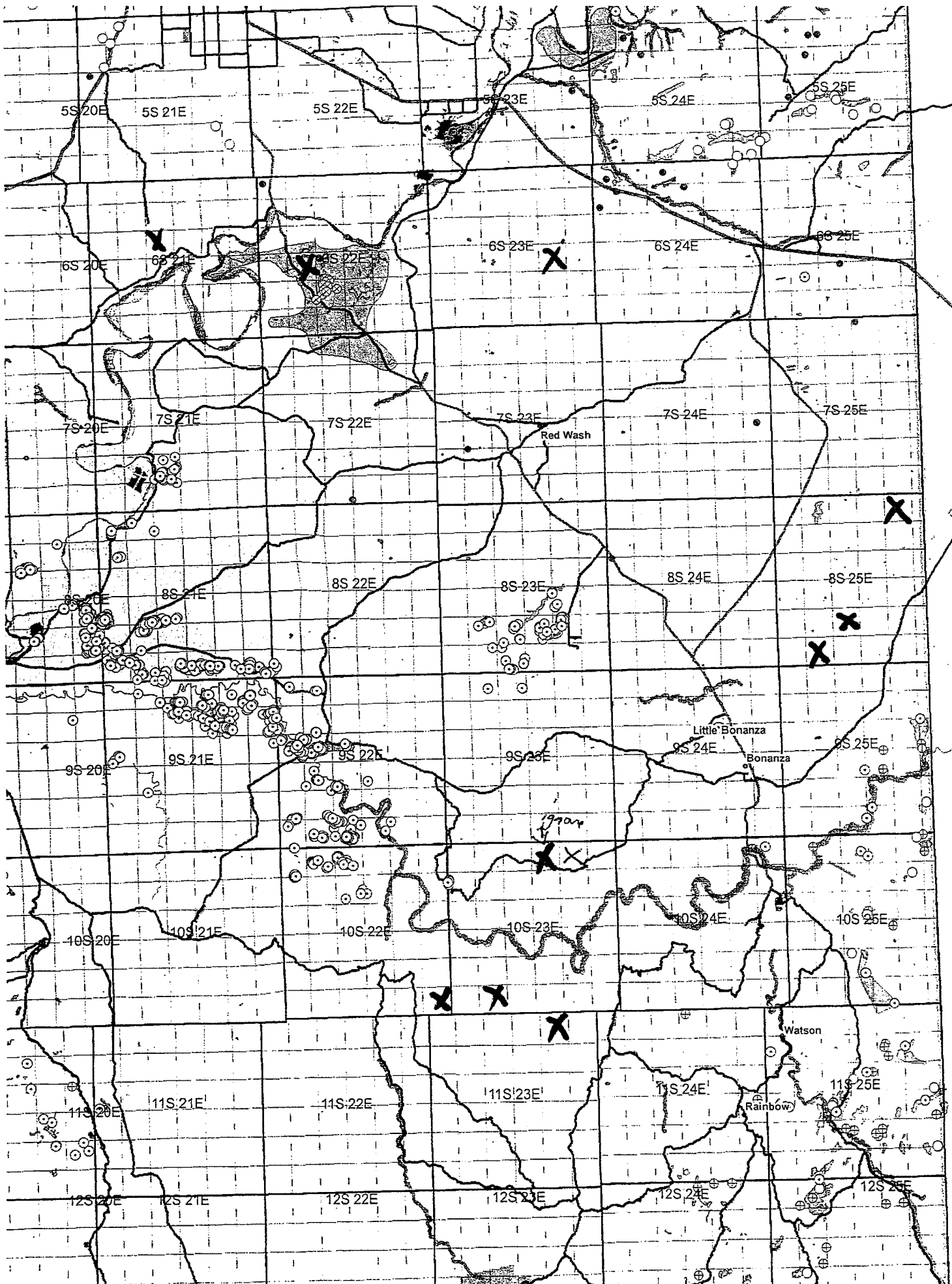
Applicator company name: Pride Weed Control, Inc.

Applicator name: George Thompson

Applicator license no.: 4001-14068 exp. 12/31/2011

Applicator phone & fax numbers: phone 970-247-9778

Applicator mailing address: 8100 Hwy 550, Durango, CO 81303



09-4447501-17

PESTICIDE (WEED) APPLICATION RECORD FORM
BLM-Vernal, 170 South 500 East Phone (435) 781-4400

Weed Management Area:

Site Name:

Vegetation/Community Type:

Weed Site #

Quad #

Complex

%

Applicator:

Watershed

Address:

Allotment:

License No.:

Phone #

Quad Name(s):

County:

Location T. , R. , Sec. , ¼ ¼

Aerial Photo #

GPS Reading

Slide Photo

WEED SPECIES	P h e n o l o g y	C o v e r C l a s s	P a t t e r n	I n f e s t. S i z e	ECOLOGICAL SITE DESCRIPTION	APPLICATION DATA
					Name:	Rate/Ac. Volume:
					Condition:	Active/Acre:
					Soil Map Unit #	Total Volume:
					WEATHER	Acres treated:
					Wind speed:	Acres on site:
					Direction:	MECHANICAL TREATMENT (circle one)
					Temperature:	Hand pull, hand tool, clip seed heads
					PEST TREATMENT (circle one)	Plow, other
					crop, seeded, native, roadside, agriculture, reservoir bank, oil well, other	BIOLOGICAL TREATMENT
						Bio Agent:
					WEED TREATMENT DATA	Method applied:
					Date:	Monitoring
Recovery Species					Time:	Original treatment
					EQUIPMENT TYPE (circle one)	Original Acres
					Power Boom, Power hand	Follow-up
					Backpack, ATV	Photo point
					Aerial	Photo #
					TREATMENT METHOD (circle one)	Veg Study
					Pesticide, Mechanical, Biological	Frequency, Cover, Step point
					Trade Name:	Site Recovery Needs
Width Track:					Active Ingredient:	Grazing deferment yn
Weed Ac. Est.					Company Name:	Vegetative seed yn
Ac. Inventoried:					EPA Reg. No.:	Method seed
Site Characteristics					PUP No.:	Hand broadcast, Spreader ATV, Drill, Disc, Other
					FORMULATION (circle one)	
Elevation:					Liquid, Powder, Granular	Acres Rehabilitated:
Aspect (direction):						Species seeded:
Slope (%):						Date:
TOPOGRAPHY (circle one)						Species established:
Ridge, Upper Slope						Date:
Midslope, Lower slope						
Bench/Flat, Stream Bottom						
Meadow						
Comments						

PESTICIDE (WEED) APPLICATION RECORD FORM
BLM-Vernal, 170 South 500 East Phone (435) 781-4400

Weed Management Area Clay Basin or Company Name

Site Name Clay Basin #12

Veg (Com.) Type Sagebrush

Weed Site SL045051

Quad # _____

Complex

% _____

Applicator John Smith

Watershed: Red Creek

Address

Allotment

License No. xyz123

Phone # 123.456.7891

Quad Name(s)

County: Daggett

Location T. 3N , R. 24E , Sec. 31 , SW ¼ NW ¼

Aerial Photo #

GPS Reading

Slide Photo

Weed Species	Phenology	Cover Class	Pattern	Infest. Size	Eco Site	APPLICATION DATA
					Name	Rate/Ac. Vol: 0.334 gallons/acre
					Condition	Active/Ac.: 1.8 lbs/acre
					Soil Map Unit #	Total Vol.: (1.8 lbs ac X 28.81 acres = 51.85 lbs ac/acre) 51.85 lbs ac/acre
Canada thistle	2	2	2	2	WEATHER	Ac. Treated: 28.81 acres
Musk thistle	3	1	3	1	Wind speed: 4 mph	Acre on site
					Direction: south	MECHANICAL TREATMENT (circle one)
					Temp: 85	Hand pull, hand tool
					PEST TREATMENT (circle one)	Plow, other
					Veg. site treated - crop, seeded, native, roadside, agriculture, reservoir bank, oil well, other	Biological Treatment
						Bio Agent
					WEED TREATMENT DATA	Method applied
					Date 8/15/07	Monitoring
Recovery Species					Time 3:22 p	
					EQUIPMENT TYPE (circle one)	Original Acres
					Power Boom, Power hand	Follow-up
					Backpack, ATV	Photo point
					Aerial	Photo #
					TREATMENT METHOD (circle one)	Veg Study
					Pesticide, Mechanical, Biological	Frequency, Cover, Step point
					Trade Name: 2,4-d 6# Low Vol	Site Recovery Needs
Width Track					Active Ingredient: 2,4-D	Grazing deferment yn
Weed Ac. Est.					Company Name: Platte Chemical Co	Vegetative seed yn
Ac. Inventoried					EPA Reg. No. 34704-125	Method seed
Site Characteristics					PUP No. 07-UT-080-12	Hand broadcast, Spreader ATV, Drill, Disc, Other
					FORMULATION (circle one)	
Elevation					Liquid, Powder, Granular	Acres Rehabed
Aspect (direction)						Species seeded
Slope (%)						Date
Topography						Species established
Ridge, Upper Slope						Date
Midslope, Lower slope						
Bench/Flat, Stream Bottom						
Meadow						
Comments						

PESTICIDE (WEED) APPLICATION RECORD FORM
BLM-Vernal, 170 South 500 East Phone (435) 781-4400

Weed Management Area Clay Basin or Company Name

Site Name Clay Basin #12

Veg (Com.) Type Sagebrush

Weed Site SL045051

Quad # _____

Complex _____

% _____

Applicator John Smith

Watershed: Red Creek

Address _____

Allotment _____

License No. xyz123

Phone # 123.456.7891

Quad Name(s) _____

County: Daggett

Location T. 3N , R. 24E , Sec. 31 , SW ¼ NW ¼

Aerial Photo # _____

GPS Reading _____

Slide Photo _____

Weed Species	P h e n o l o g y	C o v e r C l a s s	P a t t e r n	I n f e s t S i z e	Eco Site	APPLICATION DATA
					Name	Rate/Ac. Vol: 0.334 gallons/acre
					Condition	Active/Ac.: 1.8 lbs/acre
					Soil Map Unit #	Total Vol.: (1.8 lbs ac X 28.81 acres = 51.85 lbs ac/acre) 51.85 lbs ac/acre
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					Direction: south	MECHANICAL TREATMENT (circle one)
					Temp: 85	Hand pull, hand tool
					PEST TREATMENT (circle one)	Plow, other
					Veg. site treated - crop, seeded, native, roadside, agriculture, reservoir bank, oil well, other	Biological Treatment
						Bio Agent
					WEED TREATMENT DATA	Method applied
					Date 8/15/07	Monitoring
Recovery Species					Time 3:22 p	
					EQUIPMENT TYPE (circle one)	Original Acres
					Power Boom, Power hand	Follow-up
					Backpack, ATV	Photo point
					Aerial	Photo #
					TREATMENT METHOD (circle one)	Veg Study
					Pesticide, Mechanical, Biological	Frequency, Cover, Step point
					Trade Name: 2,4-d 6# Low Vol	Site Recovery Needs
Width Track					Active Ingredient: 2,4-D	Grazing deferment yn
Weed Ac. Est.					Company Name: Platte Chemical Co	Vegetative seed yn
Ac. Inventoried					EPA Reg. No. 34704-125	Method seed
Site Characteristics					PUP No. 07-UT-080-12	Hand broadcast, Spreader ATV, Drill, Disc, Other
					FORMULATION (circle one)	
Elevation					Liquid, Powder, Granular	Acres Rehabed
Aspect (direction)						Species seeded
Slope (%)						Date
Topography						Species established
Ridge, Upper Slope						Date
Midslope, Lower slope						
Bench/Flat, Stream Bottom						
Meadow						
Comments						

COVER CLASS - estimated percent cover, by species, of the infestation

- 0 No weeds found
- 1 Less than 1% (trace)
- 2 One to five percent (low - occasional plants)
- 3 Six to twenty-five percent (moderate - scattered plants)
- 4 Twenty-five to 100% (high - fairly dense)

PATTERN - pattern of the infestation

- 0 No weeds found
- 1 Single plant or small area of many plants
- 2 Linear
- 3 Patchy
- 4 Block

INFESTATION SIZE - number of estimated acres of the infestation

- 0 No weeds found
- 1 Less than one acre
- 2 One to five acres
- 3 Five or more acres

PHENOLOGY - development stage

- 1 Vegetative
- 2 Bud stage
- 3 Flower
- 4 Seeded
- 5 Mature
- 6 Dormant

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

5/31/2013

FROM: (Old Operator):
N6965-Forest Oil Corporation
707 17th Street, Suite 3600
Denver, CO, 80202

Phone: 1 (303) 812-1676

TO: (New Operator):
N2750-Enduring Resources, LLC
511 16th Street, Suite 700
Denver, CO, 80202

Phone: 1 (303) 573-1222

CA No.

Unit:

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
FEDERAL 28-01	28	080S	250E	4304730098	10095	Federal	D	PA
N HORSESHOE 13-20-6-22	20	060S	220E	4304738020	16441	Federal	D	PA
ROCK HOUSE 11-31	31	100S	230E	4304733312	13984	Federal	GW	P
ROCK HOUSE 6D-32	32	100S	230E	4304735409	14293	State	GW	P
ROCK HOUSE 2D-36	36	100S	220E	4304735759	14357	State	GW	P
ROCK HOUSE 2D-32	32	100S	230E	4304735760	14317	State	GW	P
ROCK HOUSE 10D-32	32	100S	230E	4304735761	14318	State	GW	P
ROCK HOUSE 12D-32	32	100S	230E	4304735762	14294	State	GW	P
ROCK HOUSE 11-36	36	100S	220E	4304735900	14478	State	GW	P
ROCK HOUSE 4-36	36	100S	220E	4304735901	14449	State	GW	P
ROCK HOUSE 11-2	02	110S	230E	4304736153	14695	State	GW	P
ROCK HOUSE 7-32-10-23	32	100S	230E	4304736306	14766	State	GW	P
ROCK HOUSE 3-32-10-23	32	100S	230E	4304736307	14781	State	GW	P
ROCK HOUSE 5-32-10-23	32	100S	230E	4304736410	14727	State	GW	P
N WALKER HOLLOW 2-32-6-23	32	060S	230E	4304737399	15741	State	GW	S
N HORSESHOE 3-16-6-21	16	060S	210E	4304737391	15716	State	GW	TA

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/4/2013
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/4/2013
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/4/2013
- a. Is the new operator registered in the State of Utah: Y Business Number: 5771233-0161
- a. (R649-9-2) Waste Management Plan has been received on: Y
- b. Inspections of LA PA state/fee well sites complete on: N/A
- c. Reports current for Production/Disposition & Sundries on: 5/29/2013
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM Not Yet BIA N/A
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 6/18/2013
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/18/2013
- Bond information entered in RBDMS on: (Blanket Bond already established) 6/24/2013
- Fee/State wells attached to bond in RBDMS on: N/A
- Injection Projects to new operator in RBDMS on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UTB000173
2. Indian well(s) covered by Bond Number: N/A
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number RLB0008031
- 3b. The **FORMER** operator has requested a release of liability from their bond on: 6/4/2013

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

From Forest Oil Corporation (N6965) to Enduring Resources LLC (N2750)
Effective 31-May-2013

Well Name	Sec	Township	Range	Well API Number	Utah Entity Number	Mineral Lease Type	Well Type	Well Status
FEDERAL 28-01	28	080S	250E	4304730098	10095	Federal	Dry Hole	Plugged & Abandoned
N HORSESHOE 13-20-6-22	20	060S	220E	4304738020	16441	Federal	Dry Hole	Plugged & Abandoned
ROCK HOUSE 11-31	31	100S	230E	4304733312	13984	Federal	Gas Well	Producing Well
ROCK HOUSE 6D-32	32	100S	230E	4304735409	14293	State	Gas Well	Producing Well
ROCK HOUSE 2D-36	36	100S	220E	4304735759	14357	State	Gas Well	Producing Well
ROCK HOUSE 2D-32	32	100S	230E	4304735760	14317	State	Gas Well	Producing Well
ROCK HOUSE 10D-32	32	100S	230E	4304735761	14318	State	Gas Well	Producing Well
ROCK HOUSE 12D-32	32	100S	230E	4304735762	14294	State	Gas Well	Producing Well
ROCK HOUSE 11-36	36	100S	220E	4304735900	14478	State	Gas Well	Producing Well
ROCK HOUSE 4-36	36	100S	220E	4304735901	14449	State	Gas Well	Producing Well
ROCK HOUSE 11-2	02	110S	230E	4304736153	14695	State	Gas Well	Producing Well
ROCK HOUSE 7-32-10-23	32	100S	230E	4304736306	14766	State	Gas Well	Producing Well
ROCK HOUSE 3-32-10-23	32	100S	230E	4304736307	14781	State	Gas Well	Producing Well
ROCK HOUSE 5-32-10-23	32	100S	230E	4304736410	14727	State	Gas Well	Producing Well
N WALKER HOLLOW 2-32-6-23	32	060S	230E	4304737399	15741	State	Gas Well	Shut-In well
N HORSESHOE 3-16-6-21	16	060S	210E	4304737391	15716	State	Gas Well	TA-Temporarily Abandoned

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

SEE ATTACHED LIST

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

SEE ATTACHED LIST

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☐

OTHER _____

2. NAME OF OPERATOR:

Enduring Resources, LLC

3. ADDRESS OF OPERATOR:

511 16th Street, Suite 700

CITY

Denver

STATE

CO

ZIP

80202

PHONE NUMBER:

(303) 573-1222

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY: UTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will start:

5/31/2013

☐ SUBSEQUENT REPORT
(Submit Original Form Only)

Date of work completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☒ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER: _____

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Utah State Bond #RLB0008031 - Operator No. N2750

Change of operator from Forest Oil Corporation to Enduring Resources, LLC effective 5/31/2013

Enduring Resources, LLC
51116th Street, Suite 700
Denver, Colorado 80202

Operator No. N2750
Utah State Bond #RLB0008031

FOREST OIL CORPORATION

X

BY: Scott Laverde

TITLE: Vice President N6965

DATE: 5/31/2013

NAME (PLEASE PRINT)

Alex B. Campbell

TITLE

Vice President

SIGNATURE

DATE

5/31/2013

(This space for State use only)

APPROVED * Subject to Conditions of Approval.

(5/2000)

JUN 18 2013

(See Instructions on Reverse Side)

DIV. OIL GAS & MINING

BY: Zeke Clements for Rachel Medina.

* Subject to Conditions of Approval

RECEIVED
JUN 04 2013
Div. of Oil, Gas & Mining

CONDITIONS OF APPROVAL

CONDITIONS OF APPROVAL

CONDITIONS OF APPROVAL for
Change Of Operator
from Forest Oil Corporation (N6965)
to Enduring Resources, LLC (N2750)
effective 31-May-2013

The Conditions Of Approval are applicable to the following 2 wells:

Well Name and No.	Well API Number	Section	Township	Range	Meridian
N WALKER HOLLOW 2-32-6-23	4304737399	32	6 South	23 East	SLB&M
N HORSESHOE 3-16-6-21	4304737391	16	6 South	21 East	SLB&M

The Conditions Of Approval are:

1. If the wells are not producing commercial quantities within 60 days, then an additional bond will be required from Enduring Resources LLC. This should be ongoing commercial production.
2. If the plan is to plug the well, then approved plugging sundries should be in place and the wells plugged by Enduring Resources LLC no later than September 15, 2013.
3. If Enduring Resources LLC plans to review the wells further, then the following is required by August 15, 2013:
 - a. Additional Bonding, and
 - b. Plan for Wells future, and
 - c. Completed MIT showing integrity

The plan for the wells future should be submitted on a sundry notice, with the MIT and a request for extended SI/TA (Shut-In/Temporarily Abandoned) status. Approval by the Division is required to keep wells in ongoing SI/TA status. These 2 wells have been in SI/TA status over 4 years, so good justification is needed for an extension.

Well Name	API Well Number	Lease Number	Well Status	Field Name	Surface Owners	Mineral Lease	County	Qtr/Qtr	Sec	Twn Rge	FNL/FSL	FEL/FWL
COYOTE BASIN 28-01	43-047-30098	UTU-16257	P & A	WILDCAT	Federal	Federal	UINTAH	SESE	28	8S-25E	851 S	1039 E
N HORSESHOE 13-20-6-22	43-047-38020	UTU-76768	DRY HOLE	WILDCAT	Federal	Federal	UINTAH	SWSW	20	6S-22E	984 S	760 W
ROCK HOUSE 11-31	43-047-33312	UTU-76281	Producing	NATURAL BUTTES	Federal	Federal	UINTAH	NESW	31	10S-23E	1980 S	1980 W
ROCK HOUSE 6D-32	43-047-35409	ML 47063	Producing	NATURAL BUTTES	State	State	UINTAH	SENW	32	10S-23E	1938 N	2121 W
ROCK HOUSE 2D-36	43-047-35759	ML 47061	Producing	NATURAL BUTTES	State	State	UINTAH	NWNE	36	10S-22E	1012 N	1654 E
ROCK HOUSE 2D-32	43-047-35760	ML 47063	Producing	NATURAL BUTTES	State	State	UINTAH	NWNE	32	10S-23E	932 N	2291 E
ROCK HOUSE 10D-32	43-047-35761	ML 47063	Producing	NATURAL BUTTES	State	State	UINTAH	NWSE	32	10S-23E	2367 S	1595 E
ROCK HOUSE 12D-32	43-047-35762	ML 47063	Producing	NATURAL BUTTES	State	State	UINTAH	NWSW	32	10S-23E	1611 S	951 W
ROCK HOUSE 11-36	43-047-35900	ML 46907	Producing	NATURAL BUTTES	State	State	UINTAH	NESW	36	10S-22E	2137 S	1801 W
ROCK HOUSE 4-36	43-047-35901	ML 47061	Producing	NATURAL BUTTES	State	State	UINTAH	NWNW	36	10S-22E	837 N	646 W
ROCK HOUSE 11-2	43-047-36153	ML 47078	Producing	ROCK HOUSE	State	State	UINTAH	NESW	2	11S-23E	2233 S	1863 W
ROCK HOUSE 7-32-10-23	43-047-36306	ML 47063	Producing	NATURAL BUTTES	State	State	UINTAH	SWNE	32	10S-23E	1866 N	2064 E
ROCK HOUSE 3-32-10-23	43-047-36307	ML 47063	Producing	NATURAL BUTTES	State	State	UINTAH	NENW	32	10S-23E	524 N	2151 W
ROCK HOUSE 5-32-10-23	43-047-36410	ML 47063	Producing	NATURAL BUTTES	State	State	UINTAH	SWNW	32	10S-23E	2405 N	852 W
N WALKER HOLLOW 2-32-6-23	43-047-37399	ML 47777	SHUT-IN	UNDESIGNATED	State	State	UINTAH	NWNE	32	6S-23E	581 N	1945 E
N HORSESHOE 3-16-6-21	43-047-37391	ML 49317	T/A	WILDCAT	State	State	UINTAH	NENW	16	6S-21E	825 N	2067 W

RECEIVED
JUN 04 2003
Div. of Oil, Gas & Mining